

AFS User's Guide
AF2:
AFS DATA CODING
VERSION 5.2

U.S. Environmental Protection Agency
Office of Enforcement and Compliance Assurance
Enforcement Planning, Targeting and Data Division
Washington, DC 20460

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1.0 Introduction

The Air Facility System (AFS) is the USEPA database used for the tracking, maintenance and retrieval of data pertaining to airborne pollutants. The Air Facility System (AFS) is used by EPA, State and local agencies for the management of federal and state emissions inventory and compliance programs for facility-based pollutants. This volume describes the data coding

requirements necessary to create, modify and delete data in AFS. It is one of five volumes comprising the AFS User's Guide. The other volumes are:

AF1	AFS Data Dictionary
AF3	AFS Data Storage
AF4	AFS Retrievals of Data
AF5	AFS AD Hoc Retrievals

In addition to this introductory section, AF2 contains the following sections:

Section 2	Overview of AFS Data Coding
Section 3	Commonly Shared Data Elements
Section 4	Plant Level Data Coding
Section 5	Stack Level Data Coding
Section 6	Point Level Data Coding
Section 7	Segment Level Data Coding
Section 8	Asbestos Data
Section 9	Other Coding Support Features
Section 10	Operating Permit Data Coding
Section 11	AFS Utility Transactions

A toll-free HELPLINE is provided for user support. Users may contact the HELPLINE at 1-800-367-1044.

2.0 Overview of AFS Data Coding

Users of AFS may create, modify or delete data in the database through either of two methods. **Online updating** allows users to access online screens displaying all data elements associated with each AFS record type. Each AFS record has an associated online update screen. Online users either fill in new data or modify existing data in the appropriate data fields, press <enter>, and the changes are made immediately to the AFS database. Deletions of data when working online are performed using a deletion utility, and are not effected directly on the online update screen. **Batch updating** allows users to create transactions containing their data in datasets separate from AFS, and then submit them to AFS for nightly batch update processing. Batch users specify if they want to add, change or delete data through the use of batch update codes "A" (add), "C" (change) or "D" (delete). Just as there is a one-to-one correlation between each AFS record type and its data and the online update screens, there is a one-to-one correlation between each AFS record type and the individual batch transaction formats used to update in the batch mode.

Each AFS online update screen and batch transaction type is identified by a unique number. The associated AFS record types, update screen numbers and batch transaction types are as follows:

AFS Plant Level Update

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS SIP Inventory	AFS Utility Menu	00
AFS SIP Comment	AFS Utility Menu	07
AFS Plant General	300	10
AFS Plant Pollutant	301	11
AFS Plant Air Program	302	12
AFS Plant Pollutant Air Program	303	13
AFS Fee Certification	304	14
AFS Mailing Label	305	15

AFS Plant Level Update
(con't)

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS Plant Action	306	16
AFS Plant Comment	307	17
AFS Plant HPV	314	
AFS Plant CMS	315	18

AFS Stack Level Update

AFS General Stack	320	20
AFS Stack Pollutant	321	21
AFS Stack Comment	322	27

AFS Point Level Update

AFS Point General	330	30
AFS Point Pollutant	331	31
AFS Point Air Program	332	32
AFS Point Monitor	333	33
AFS Continuous Emissions	334	34
AFS Point Tank	335	35
AFS Point Action	336	36
AFS Point Comment	337	37
AFS General Segment	340	40

AFS Segment Level Update

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS Segment Pollutant	341	41
AFS Segment Chemical	342	42
AFS Segment Projected Pollutant	344	43
AFS Segment Comment	343	47

AFS Asbestos Data Update

AFS Asbestos Contractor	308	50
AFS Asbestos Landfill	309	51
AFS Asbestos Performance	310	52

AFS Permit Level Update

AFS Application	350	A1
AFS General Information - Draft Permit	351	A2
AFS Application Association - Draft Permit	360	A7
AFS Permit Action	353	A8
AFS Plant Permit Comment	364	B9
AFS Permit Action Comment 365		C1

2.1 Key and Mandatory Data

The identification of each AFS record is accomplished through the use of **key** data. Key data are those data elements used by the AFS database management software to efficiently store each record. For example, each facility in AFS is identified by the database management software using a combination of State, County and Plant ID codes. In the AFS General Plant record, users may track several different data elements describing the plant, its location and operations and contact persons, but only the State/County/Plant values are used by the database to uniquely identify the specific AFS General Plant record. Consequently, each record type in AFS has at least one key data element used by the database for storage and access. Users must provide these data when attempting to create new records or modifying or deleting existing ones. For online screen users, AFS requires the user to provide key values or they may not proceed further with their update session.

Batch users must also provide these values for each batch transactions, or the transaction will be rejected during the nightly batch processing cycle. In addition to the key data required for each record, users must also provide **mandatory** data for almost all record types. Mandatory data are data elements designated by EPA as the minimum level of information needed when maintaining an AFS record in support of a federal program. For example, EPA requires all emissions inventory facilities tracked in AFS to possess at a minimum plant name, address, source industrial classification data and inventory year. AFS does not require these data to track the record itself, as it does with key data, but the mandatory data are required to support minimum EPA emissions inventory program standards. As with key data, mandatory data elements must be provided by the user - either online through the use of update screens, or in each batch transaction - or the record will not be successfully updated to the AFS database. The following data are mandatory in AFS:

<u>FILE/TRANSACTION TYPE</u>		<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>		<u>MANDATORY DATA</u>
Plant General	10	300	10-1	Plant Name
			10-2	Plant Street Address
			10-2 <u>or</u> 10-3	CityCode <u>or</u> Plant City
			10-3	Primary Industrial Class Code
			10-4	Governmental Facility Code ¹
			10-6	Year of Emission Inventory ²
Pollutant Plant	11	301	11-1	At least one complete set of emissions (value decimal units & method code if applicable)
Air Pgm Plant	12	302	12-1	Air Program Status
Air Pgm Pollutant	13	303	13-1	State Pollutant Compliance Status *when the pollutant entered is 'VOC', 'SO ₂ ', or 'PT' and the air program is not '8' then the State Pollutant Classification and State Attainment-Non Attainment Indicator are mandatory as well
Plant Mail	15	305	15-1	Mailing Plant Name
			15-2	Mailing Street Address
			15-2	Mailing City Name
			15-2	Mailing State
			15-3	Mailing Zip Code

¹Compliance²Emissions

<u>FILE/TRANSACTION TYPE</u>		<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>		<u>MANDATORY DATA</u>
Action Plant	16	306	16-1 16-1 16-1	Air Program Code Action Type Date Scheduled <u>or</u> Date Achieved
Stack General	20	320	20-1	Stack Height <u>and</u> Stack Diameter <u>and/or</u> Plume Height
Pollutant Stack	21	321	21-1	At least one complete set of emissions (value, decimal, units and method code if applicable)
Point General	30	330	30-1	Point Description ¹ (See footnotes c & d on page 2-7)
Pollutant Point	31	331	31-1 <u>or</u> 31-2 <u>or</u> 31-3	At least one complete set of emissions (value, decimal, units and method code if applicable) <u>or</u> State Regulation Number ¹ <u>or</u> Emission Limitation Description ²

¹Compliance²Emissions

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE- SEQUENCE</u>	<u>MANDATORY DATA</u>
Air Program Point 32	332 32-1 32-1	State Compliance Status Air Program Status
Cont Emis Monitor 33	333 33-1	Monitor Requirement Code
Con Emis EER 34	334 34-1 34-1	Air Program Code Time Period Code
Action Point 36	336 36-1 36-1 36-1	Air Program Code Action Type Date Scheduled <u>or</u> Date Achieved

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>	<u>MANDATORY DATA</u>
Segment General 40	340 40-1	Source Classification Code
Pollutant Segment 41	341 41-1	At least one complete set of emissions (value, decimal, units and method code if applicable).
Pollutant Chemical 42	344 43-1 <u>or</u> 43-2	At least one complete set of emissions (value, decimal, units and method code if applicable) <u>or</u> Emission Limitation Description ²

* a) When adding a compliance facility (transaction type 10) air program (transaction type 12) and an air program pollutant (transaction type 13) are also mandatory.

* b) When adding air program (transaction type 12), an air program pollutant (transaction type 13) is also mandatory.

* c) When adding an emissions point (ie transaction type 30 sequences 3 or 4) a segment general (transaction type 40) is mandatory.

* d) See the AFS Data Storage Manual (AF3) pages 3-9 and 3-10 for a discussion on requirements when adding a merged point.

¹Compliance

²Emissions

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE- SEQUENCE</u>	<u>MANDATORY DATA</u>
Asbestos Contractor 50	308 50-1 50-2 50-3 50-3 50-3	Contractor Name Contractor Street Address Contractor City Contractor State Contractor Zip Code
Asbestos Landfill 51	309 51-1 51-1 51-2 51-3 51-3 51-3	Landfill EPA ID Landfill Name Landfill Street Address Landfill City Landfill State Landfill Zip Code

<u>FILE/TRANSACTION TYPE</u>		<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>	<u>MANDATORY DATA</u>
AFS Application	350	A1-1,2,3,4,5	Plant State Code
		A1-1,2,3,4,5	County Code
		A1-1,2,3,4,5	(AFS) Plant ID
		A1-1,2,3,4,5	Application
		A1-1	Application Category
AFS General Info - Draft Permit	351	A2-1,2,3,4,5	Permit State Code
		A2-1,2,3,4,5	Permit
		A2-1	Permit Category
		A2-1	State Private Indicator
AFS Applic. Assoc. - Draft Permit	360	A7-1	Plant State Code
		A7-1	County Code
		A7-1	(AFS) Plant ID
		A7-1	Permit

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE SEQUENCE</u>	<u>MANDATORY DATA</u>
AFS Permit Action	353	Plant State Code
	A8-1,2,3,4,5,6,7,8	County Code (req. for permit actions that track application completeness)
	A8-1,2,3,4,5,6,7,8	(AFS) Plant ID (req. for permit action that track application completeness)
	A8-1,2,3,4,5,6,7,8	Application (req. for permit actions that track application completeness)
	A8-1,2,3,4,5,6,7,8	Permit (req. for permit actions that track the review and approval of a permit and for permit actions that track events for an issued permit)
	A8-1,2,3,4,5,6,7,8	Permit Action Type
	A8-1,2,3,4,5,6,7,8	Permit Action Number
	A8-8	EPA Agency Notified <u>or</u> Agency State Notified <u>or</u> Agency State Notified & Local Control Region Notif.
	A8-2	Permit Date Achieved <u>or</u> Scheduled

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>	<u>MANDATORY DATA</u>
AFS Plant Permit Comment	364	Plant State Code
	B9-1,2,3,4	County Code (required for comments for a plant specific permit)
	B9-1,2,3,4	(AFS) Plant ID (required for comments for a plant specific permit)
	B9-1,2,3,4	Permit
	B9-1,2,3,4	Permit Comment Number
	B9-1,2,3,4	Permit Comment
	B9-1	Owner Private

<u>FILE/TRANSACTION TYPE</u>		<u>SCREEN/TRANSACTION TYPE- SEQUENCE</u>	<u>MANDATORY DATA</u>
AFS Permit Action Comment	365	C1-1,2,3,4,5,6,7,8,9	Plant State Code
		C1-1,2,3,4,5,6,7,8,9	County Code (required for comments on permit actions that track application completeness)
		C1-1,2,3,4,5,6,7,8,9	(AFS) Plant ID (required for comments on permit actions that track application completeness)
		C1-1,2,3,4,5,6,7,8,9	Application (required for comments on permit actions that track application completeness)
		C1-1,2,3,4,5,6,7,8,9	Permit (required for comments on permit actions that track the review and approval of a permit and for comments on permit actions that track events for an issued permit)

<u>FILE/TRANSACTION TYPE</u>	<u>SCREEN/TRANSACTION TYPE-SEQUENCE</u>	<u>MANDATORY DATA</u>
AFS Permit Action Comment (continued)		
	365 C1-1,2,3,4,5,6,7,8,9	Permit Action Type
	C1-1,2,3,4,5,6,7,8,9	Permit Action Number
	C1-1,2,3,4,5,6,7,8,9	Permit Comment number
	C1-1	Owner Private

2.2 Error Messages

AFS utilizes text error messages to inform users of unsuccessful attempts at updating the database. For online update screen and delete utility users, the error message is displayed at the top of the screen in response to invalid attempts at data entry, the omission of key and mandatory data, or the use of an invalid function key. Similar error messages are displayed to batch transaction users, who receive a complete transaction update report following each batch update. The report describes each batch transaction and the outcome of its processing, including acceptance or rejection to the database. All transaction rejections are noted on the report along with the error message applicable to the rejection. In sections 3-8 of this volume, all applicable online and batch transaction error messages are displayed with their associated transaction type update screens and data elements.

2.3 Online Screen Update

As noted in section 2.0, users of AFS may employ online screens for the updating of their data. While each AFS record type has its own screen, update screen operation is consistent throughout the system. Figure 2-1 represents a typical AFS update screen, Screen 300, the Update Plant General screen. Key data for each record type -in this example the five character compliance plant identifier- are displayed on the top of each screen above the single hash lines. Mandatory data elements for the record type, such as plant name and street address, are marked with an *.

```
DATE : 09/16/92      AIRS FACILITY SUBSYSTEM - UPDATE      PGM: AFP300
SCREEN: 300          GENERAL PLANT INFORMATION             MAP: AFM3001
=====
CDS...: C0001        NEDS.....:                          AFS:
EPA ID:              DUN & BRADSTREET:
-----
DATE PLANT INFORMATION LAST UPDATED (YYMMDD) :
YEAR OF EMISSIONS INVENTORY:                  EPA ID: _____

*PLANT NAME ... : _____
*STREET ADDRESS : _____
CITY CODE .... : _____ CITY NAME : _____
ZIP CODE ..... : _____ - _____

STANDARD INDUSTRIAL CLASSIFICATION      *PRIMARY INDUSTRIAL CODE .... : _____
                                         SECONDARY INDUSTRIAL CODE ... : _____
                                         TERTIARY INDUSTRIAL CODE .... : _____

LOCAL CONTROL REGION : _____        REGIONAL PLANNING AGENCY .... : _____
INSPECTOR ..... : _____            AMBIENT MONITORING INFORMATION: _____
                                         SOURCE MONITORING INFORMATION : _____

PF3=END  PF4=MAIN MENU  PF5=TERMINATE      MORE
```

Figure 2-1 Update Plant General Screen 300

Upon accessing an update screen the cursor will rest on the first character of the first data field. If all characters in the data field are filled, the cursor will automatically jump to the first character of the next data field. For data fields that are not completely filled, or not of interest, the use of the TAB key will jump the cursor to the first character of successive data fields. The use of <enter> will commit the data as specified to the AFS database. Should mandatory data be omitted on the screen, or a coded value used that does not meet the AFS edit requirements, an error message will appear on the top of the screen (Figure 2-2), and the cursor will be automatically placed on the first character of the first data field containing an error or omission. Only by correcting the error can the data be updated to AFS, and the <enter> command accepted.

```
PRIMARY INDUSTRIAL CLASSIFICATION CODE IS REQUIRED.
DATE   : 09/16/92      AIRS FACILITY SUBSYSTEM - UPDATE      PGM: AFP300
SCREEN: 300            GENERAL PLANT INFORMATION             MAP: AFM3001
=====
CDS...: C0001          NEDS.....:                          AFS:
EPA ID:                DUN & BRADSTREET:
=====
DATE PLANT INFORMATION LAST UPDATED (YYMMDD) :
YEAR OF EMISSIONS INVENTORY:                  EPA ID: _____

*PLANT NAME ... : GOLDEN BELT MFG_____
*STREET ADDRESS : 567 JOHN STREET_____
CITY CODE .... : _____ CITY NAME : SALISBURY_____
ZIP CODE ..... : 06967 - _____

STANDARD INDUSTRIAL CLASSIFICATION      *PRIMARY INDUSTRIAL CODE .... : ____
                                         SECONDARY INDUSTRIAL CODE ... : ____
                                         TERTIARY INDUSTRIAL CODE .... : ____

LOCAL CONTROL REGION : ____             REGIONAL PLANNING AGENCY .... : ____
INSPECTOR ..... : ____                 AMBIENT MONITORING INFORMATION: ____
                                         SOURCE MONITORING INFORMATION : ____

PF3=END  PF4=MAIN MENU  PF5=TERMINATE                                MORE
```

Figure 2-2 Example of an Error Message

2.4 Batch Update

Users updating data via the AFS batch transaction update method create transactions in a dataset separate from AFS and submit them for processing via the AFS Batch Submittal Utility. Each AFS record type has its own associated transaction type, but the rules of operation for batch transactions are the same regardless of transaction type.

Each AFS batch transaction type is 80 characters long with multiple sequence numbers being used for those record types containing more than 80 characters. For example, in AFS Plant General batch updating, users employ Transaction Type 10. Transaction 10, sequence 1 represents the first 80 characters of the Plant General record, Transaction Type 10, sequence 2 represents the second 80 characters, and so on, up to Transaction Type 10, sequence 9, which completes the plant general record.

In addition to the standard 80 column width, certain standard data elements must appear on each AFS batch transaction, regardless of transaction type. These common elements allow the system to identify certain things that must be known for each update, such as the identity of the facility, record to be updated, and type of update. These elements are:

- State (Columns 1-2)
- County (Columns 3-5)
- Plant ID (Columns 6-10)
- Transaction Type (Columns 11-12)
- Sequence Number (Column 13)
- Update Code (Column 80)

Permitting transactions utilize a larger facility ID (AFS Plant ID) which repositions the transaction and sequence numbers as a result. Positionality for permitting transactions are:

- State (Columns 1-2)
- County (Columns 3-5)
- AFS Plant ID (Columns 6-20)
- Transaction Type (Columns 21-22)
- Sequence Number (Column 23)
- Update Code (Column 80)

Update codes applicable to updating in batch are "A" (add new records) and "C" (change existing records). All of these common data elements are mandatory for each AFS Batch transaction. Common elements and their associated error messages are further defined in section 3.0.

2.5 Coded Values

Many of the data fields in AFS utilize coded values, allowing users to employ alphanumeric characters to represent lengthier data values and descriptions. In most cases, data fields containing AFS coded values are edit-validated to compare entered data with acceptable coded values as contained on the AFS and Geo-Common Table Files. AFS has an online "Help" feature with which users can review and retrieve any coded value applicable in AFS. By placing a "?" in the first position of any data field requiring a coded value, and <enter>, user will be shown a full screen(s) listing all coded values, with exceptions applicable to that field. Users may select a value from the list by tabbing down next to the desired value, and <enter>, which returns user to the update screen with the selected values placed in the data field. Some AFS data fields are available for user-defined codes, and consequently contain no data edit checking.

All coded values validated on AFS and Geo-Common Table Files will generate code descriptions on the applicable AFS Browse record screen, and as requested in AFS Ad Hoc reporting.

2.6 Dates

AFS update processing utilizes the entry of six character dates in the format 'Year-Year, Month-Month, Day-Day', for Year/Month/Day dates, and 'Year-Year, Month-Month' for Year/Month dating.

Year 2000 - Guidelines for Dates in AFS: A new EPA date standard has been adopted for data processing applications which requires that all EPA systems be Year 2000 compliant by providing for a 4 digit year numeric representation of dates as CCYYMMDD. Modifying AFS solely to be compliant with the new EPA date standard is not cost-effective at this time. The re-engineered AFS will adhere to the new EPA date standard. In the interim, a simpler solution has been implemented to resolve the Year 2000 problem in AFS. AFS will retain its current 2 digit year externally (in online screens, retrievals, batch transaction formats, etc...) but internally recognize the century to provide the proper date computation and sorting. The AFS system will apply the following rule when evaluating years:

If the 2 digit year is greater than 50, assume the century is 19, otherwise, assume the century is 20. This is referred to as the '50' rule.

The '50' rule is applied to all 2 digit year dates discussed in this manual.

2.7 Alphanumerics and Numerics

Each AFS data element is defined as to whether it utilizes numerics (numbers only), alphabetics (letters only) or alphanumerics (numbers and letters together). The attempted entry of improper formats will result in an on-line error message in AFS Update mode, and an AFS Transaction Error rejection error message on the nightly batch processing update report for transactions submitted in batch.

2.8 Ranges

Certain data fields in AFS are validated for data ranges. The attempted entry of data outside an edited range will result in an on-line error message in AFS Update mode, and an AFS Transaction Error rejection error message on the nightly batch processing update report for transactions submitted in batch.

2.9 Batch Transaction Error Rejections

The rejection of any transaction-sequence results in the rejection of the entire transaction when processed in AFS batch update mode. Additionally, batch users should also recall that the rejection of one transaction in the batch may result in the rejection of other associated transactions, depending on the nature of the first rejected transaction. For example, the rejection of a Plant-Add transaction will result in the rejection of all other transactions in the batch associated with the plant, since without the plant being added to the database the other records for that plant will have no place to be added. This rejection of subsequent transactions is not based on their order in the transaction file, rather it is based on the relationship between the first rejected transaction and all subsequent ones. Consequently, the rejection of a Stack-Add will not result in the rejection of a Point Comment-Add transaction for the same plant that appears later in the dataset, since there is no data relationship between a stack and a point comment record.

2.10 Definitions of Terms Used in This Manual

Throughout this manual, various terms will be repeatedly used, which relate to very specific State or Federal programs, standards, or tasks, and which the user should be familiar with. The following terminology will be standard throughout this manual:

CODES

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

AIR PROGRAMS

ACID

PRECIP -	Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.
NATIVE AMERICAN -	Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.
SIP -	State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.
FIP -	Federal Implementation Plan - In those cases where the Federal EPA assumes the responsibility of setting control measures and strategies which are implemented to meet national ambient air quality standards.
CFC -	Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.
PSD -	Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.
NSR -	New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.
NESHAP -	National Emission Standards for Hazardous Air Pollutants as set forth in Section 61 of the Code of Federal Regulations (CFR) - standards specific to hazardous air pollutants.
NSPS -	New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

MACT - Maximum Achievable Control Technology as regulated under the National Emission Standards for Hazardous Air Pollutants (NESHAP) set forth in Section 63 of the Code of Federal Regulations (CFR).

TITLE V - Operating permits for major sources under Title V of the Clean Air Act Amendments of 1990.

EMISSIONS TYPES

ESTIMATED ACTUAL -

The estimated actual annual emissions for the plant.

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

STANDARDS

PRIMARY STANDARDS -

The air quality standards required to prevent adverse effects upon human health.

SECONDARY STANDARDS -

A more strict set of standards than the primary standards which are set to prevent negative effects on vegetation, property, or other components of the environment.

MISCELLANEOUS COMPLIANCE

SVIL -

SIGNIFICANT VIOLATOR - any major stationary source exceeding government designated emission rates for one or more specified pollutants

COMPLIANCE SCHEDULE -

A legally enforceable schedule specifying a date or dates by which a source must comply with specific emission standards contained in a plan or with any increments of progress to achieve such compliance.

DCO -

Delayed Compliance Order - Delayed schedules of compliance were issued historically but are no longer considered a legal administrative order under the current Clean Air Act (CAA).

ASBESTOS

DEMOLITION -

Wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility which presents a safety or public health hazard.

RENOVATION -

Altering a facility or one or more facility components in any way, including the stripping or removal of a hazardous pollutant from a facility component.

These two terms are often heard in a combined form, "reno/demo".

3.0 Common Data Fields

The data fields described in this section are common to **all** AFS batch update transactions. In addition to these universally common fields, certain categories of transaction such as point level, segment level, etc. have data fields common to a specific category. The category-specific common data fields are defined and described in the appropriate transaction level section found in sections 4-7 of this document.

3.1 PLANT STATE CODE

PLANT STATE CODE is a two-character FIPS code identifying the state in which the plant is physically located.

Attributes: 2 character code
Required

Coding Instructions

Online: Screen 000

Enter a 2 character value in the 'STATE' section of the 'STATE/COUNTY/PLANT ID' field found on the AFS Plant Identification screen.

Screens 350, 353, 360, 364, and 365

Enter a 2 character value in the 'ST' section of the 'AFS PLANT ID' field found in the Applications, Event Tracking Actions, Application Associations - Draft Permit, Plant Permit Comments, and Event Tracking Action Comments screens.

For valid values, see the AFS data dictionary, or invoke the AFS on-line HELP function by entering a question mark.

Entry of this data is the same regardless of whether you are entering a Compliance plant ID, and Emissions plant ID, or an AFS plant ID.

Batch: All transaction types, all sequence #s

Enter a 2 character value in columns 1-2. For valid values, see the AFS data dictionary.

INVALID STATE CODE.

For AFS Plant Identification processing, the value entered must exist on the AFS Table File.

STATE CODE IS REQUIRED.

For AFS Plant Identification processing, this field may not be left blank.

INVALID STATE.

For permit processing, the value entered must exist on the Geo-Common State table.

STATE MUST BE A DIRECT STATE.

For permit processing, the state must be a "direct" state as defined on the AFS Table Plant file. A "direct" state is a state that maintains its compliance information for a facility with one compliance ID.

STATE, COUNTY, AND PLANT ID ARE ALL REQUIRED.

For permit processing of Application, Application Association - Draft Permit, and Plant Permit Comment, the state, county and plant are required to be entered.

3.2 COUNTY CODE

COUNTY CODE is a three-character FIPS code identifying the county in which the plant is physically located.

Attributes: 3 character code
Required

Coding Instructions

Online: Screen 000

Enter a 3 character value in the 'COUNTY' section of the 'STATE/COUNTY/PLANT ID' field found on the AFS Plant Identification screen.

Screens 350, 353, 360, 364, and 365

Enter a 3 character value in the 'CNTY' section of the 'AFS PLANT ID' field found in the Applications, Event Tracking Actions, Application Associations - Draft Permit, Plant Permit Comments, and Event Tracking Action Comments screens.

For valid values, invoke the AFS on-line HELP function by entering a question mark.

Entry of this data is the same regardless of whether you are entering a Compliance plant ID, an Emissions plant ID, or an AFS plant ID.

Batch: All transaction types, all sequence #s

Enter a 3 character value in columns 3-5.

Error Messages

INVALID COUNTY CODE.

For AFS Plant Identification processing, the value entered must exist on the AFS Table file.

COUNTY CODE IS REQUIRED.

For AFS Plant Identification processing, this field may not be left blank.

INVALID COUNTY FOR STATE SPECIFIED.

For permit processing, the county code must exist on the Geo-Common FIPS Area table for the state entered.

STATE, COUNTY, AND PLANT ID ARE ALL REQUIRED.

For permit processing of Application, Application Association - Draft Permit, and Plant Permit Comment, the state, county and plant are required to be entered.

3.3 PLANT IDENTIFICATION CODE

PLANT ID is a five-character (Compliance Plant,) four-character (Emissions Plant) or fifteen-character (associated plant) code identifying the plant. In conjunction with the plant's state and county codes, **PLANT ID** provides a unique identifying code for every plant within AFS. Unique Compliance and Emissions **PLANT IDs** can be maintained for each facility.

Attributes: 5 character alphanumeric (Compliance Plant ID)
 4 character alphanumeric (Emissions Plant ID)
 15 character alphanumeric (AFS Plant ID)
 Required (conditionally, at least one of the above)

Coding Instructions

Identification of the facility on-line is performed through the AFS Identification Screen. Only one ID should be specified when searching for a pre-existing facility. Entry of both a compliance and emissions ID is required when adding an associated plant.

Online: Screen 000

Enter up to 15 characters in the 'AFS PLANT ID' field found on the AFS Plant Identification screen.

Enter up to 5 characters in the 'CDS Plant ID' field for compliance facilities.

Enter up to 4 characters in the 'NEDS Plant ID' field for emissions facilities.

Screens 350, 353, 360, 364, and 365

Enter up to 15 characters in the 'PLANT' section of the 'AFS PLANT ID' field found on the Applications, Event Tracking Actions, Application Associations - Draft Permit, Plant Permit Comments, and Event Tracking Action Comments screens.

To select AFS plants that have both Compliance and Emissions Plant ID's, enter either number.

To add AFS associated plants, enter both a Compliance and Emissions Plant ID of which one must not exist. Entry of an AFS Plant ID is optional.

To assign an AFS Plant ID you must also enter:

- C the CDS ID if compliance only facility;
- C the NEDS ID if emissions only facility;
- C the CDS ID and NEDS ID if associated facility

Batch: Transaction types for non-permit records, all sequence #s

Enter a 5 character value in columns 6-10 for a Compliance PLANT ID.

Enter a 4 character value in columns 6-9 for an Emissions PLANT ID.

Transaction types A1, A7, A8, B9, and C1, all sequence numbers

Enter up to 15 characters in columns 6-20.

When adding an associated plant, place the Compliance ID in columns 6-10, and the Emissions ID in columns 56-59. The Update Code must be 'A' in column 80.

Note: The adding of associated plants is valid for compliance to emissions ID's only, and may not be used to associate compliance to compliance ID's.

Error Messages

INVALID PLANT ID

PLANT IDs entered for Compliance facilities must be five digits long. PLANT IDs entered for Emissions facilities must be four digits long. Alpha characters are allowed, however special characters are not allowed.

PLANT DOES NOT EXIST.

For permit processing, the Plant ID must exist on the AFS Table Plant file.

STATE, COUNTY, AND PLANT ID ARE ALL REQUIRED.

For permit processing of Application, Application Association - Draft Permit, and Plant Permit Comment, the state, county and plant are required to be entered.

INVALID AFS PLANT ID.

For permit processing, the Plant ID must not contain blanks or special characters.

THIS PLANT HAS BEEN ARCHIVED AND CANNOT BE ACCESSED.

For permit processing, the plant specified must not be an archived plant as determined on the AFS Table Plant file.

EITHER ST/CNTY/PLANT OR STATE AND GENERAL PERMIT REQUIRED.

For permit processing of Permit Action and Permit Action Comment, ST/PERMIT or ST/CNTY/PLANT or both are required. If ST/PERMIT is entered and ST/CNTY/PLANT is

blank, the permit must be a general permit.

On-line Error Messages

SPECIFY ONE ID ONLY

This message is displayed when more than one ID is entered on the AFS PLANT IDENTIFICATION screen (except in the case of an associated plant add or AFS Plant ID assignment).

Batch Transaction Report Error Messages

TRANSACTION ERROR - PLANT DOES NOT EXIST

The facility identified by PLANT ID in a change or delete update transaction does not exist on the database.

3.4 TRANSACTION TYPE

TRANSACTION TYPE is a two-character code identifying the transaction type of a batch update transaction. **TRANSACTION TYPE** codes must match those indicated on AFS batch input forms and their associated text description. Valid transaction types may be seen in the "Overview of AFS Data Coding" section of this manual.

Attributes: 2 character alphanumeric
 Required

Coding Instructions

Online: None. Transaction Type codes are only valid for batch update transactions.

Batch: Positionality of **TRANSACTION TYPE** values are dependent on transaction type.

Batch Transaction Report Error Messages

TRANSACTION ERROR - INVALID TRANSACTION TYPE

The TRANSACTION TYPE specified on the transaction does not match any currently valid transaction type.

3.5 SEQUENCE NUMBER

Transaction records are limited to an eighty character length. In order to contain all the data related to specific record types, transactions consist of one or more "sequences." The **SEQUENCE NUMBER** is a one-character code identifying which sequence number, and therefore what data elements are being submitted, within each transaction type. **SEQUENCE NUMBER** must match one of the currently valid values as noted on the AFS Batch Input Forms and Batch Transaction Text Descriptions.

Attributes: 1 digit code
Required

Coding Instructions

Online: None. Sequence Number codes are only valid for batch update transactions.

Batch: Positionality and range of values of **SEQUENCE NUMBER** is dependent on transaction type.

Batch Transaction Report Error Messages

TRANSACTION ERROR - INVALID SEQUENCE NUMBER FOR TRANSACTION SPECIFIED

The SEQUENCE NUMBER provided is not valid for the transaction type specified.

TRANSACTION ERROR - SEQUENCE NUMBER IS REQUIRED

The SEQUENCE NUMBER was not specified on the transaction.

TRANSACTION NUMBER - SEQUENCE NUMBER MUST BE NUMERIC

The SEQUENCE NUMBER provided can not be an alpha or special character.

3.6 UPDATE CODE

UPDATE CODE is a one-character code identifying the batch update activity for the transaction. **UPDATE CODE** must be one of the codes listed below.

Attributes: 1 digit code
Required

Coding Instructions

Online: None. (Update codes are only valid for batch update transactions.)

Batch: All transaction types, all sequence #s

Enter a 1 character value in column 80 which reflects the type of data manipulation you wish to perform.

<u>Activity</u>	<u>Update Code</u>
Add a new record	A
Change existing data or add data to an existing record	C
Delete an existing record	D

Deleting specific fields

To delete existing data fields, an asterisk (*) should be placed in the first position of the data field to be deleted and an update code of C entered for the transaction.

An update code of 'D' will result in the deletion of the entire record associated with the transaction type.

Batch Transaction Report Error Messages

TRANSACTION ERROR - INVALID UPDATE CODE

The UPDATE CODE was not 'A', 'C' or 'D'.

TRANSACTION ERROR - KEY FIELDS REQUIRED FOR ADD, CHANGE OR DELETE

The transaction did not have the key data necessary to identify which record was subject to an batch update.

3.7 COMMON BATCH UPDATE TRANSACTION ERRORS

In addition to the batch transaction errors defined for the common data fields, certain batch update transaction errors are applicable to all AFS transaction types based on the rules of AFS batch update processing. These errors are as follows:

TRANSACTION ERROR - DATA FIELDS ON CARDS ARE BLANK, NO TRANSACTION TO PROCESS

No data were supplied for transactions bearing an Add, Change or Delete update code. Records may not be established without some mandatory data provided.

TRANSACTION ERROR - DUPLICATE TRANSACTION CARD

The transaction was rejected because a duplicate transaction was already processed within the same batch. Since AFS cannot distinguish which should take precedence, both are rejected.

TRANSACTION ERROR - INVALID CHARACTERS IN DATA: "!" OR " " OR ";"

Certain 'special characters' have significant meaning to the Natural program language, and can cause interrupted processing when encountered. These characters are edited for to prevent this, and rejected when found in transactions.

TRANSACTION ERROR - INVALID STATE AND COUNTY

The county/state combination entered is not valid as maintained on the AFS FIPS table file. The most common reason for this error is that a user attempted to enter a SAROAD code, while AFS uses FIPS codes. These values should be verified and re-entered.

TRANSACTION ERROR - RECORD DOES NOT EXIST

The record identified by the key fields in a transaction record, which was marked to be changed or deleted ('C' or 'D' as the update code) does not exist in AFS

TRANSACTION ERROR - UPDATE ACCESS TO MERGED PLANT DENIED

The user ID associated with the batch transaction submittal is not authorized to update the merged plant specified on the rejected transaction.

TRANSACTION ERROR - UPDATE ACCESS TO PLANT DENIED

The user ID associated with the batch transaction submittal is not authorized to update the plant specified on the rejected transaction.

TRANSACTION ERROR - USER NOT AUTHORIZED FOR NEDS TOTAL REPLACEMENT

The user is not authorized to submit a batch update for NEDS total replacement processing. Most likely, the user intended to submit a NEDS update and checked the wrong submittal type on the AFS Submittal utility screen.

4.0 Plant Level Transactions

AFS maintains compliance and emissions data pertaining to facilities monitored by EPA and State agencies under each agency's compliance and emission inventory programs. Plant level data provide information about the facility as a whole, such as its name and address, overall compliance status, regulated pollutants, emission inventory values, and comments. Plant level online screens and batch update transactions are used to update record-specific data fields. The online screens, batch transaction types, and associated data fields are as follows:

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS INVENTORY SIP	134	00
Base Year		
Projection Year		
SIP Program		
Status Area		
Inventory Type		
Public Access		
Available for Review		
Regional Review		
HQ Review		
AFS INVENTORY COMMENT	135	07
Base Year		
Projection Year		
SIP Program		
Status Area		
Inventory Type		
Comment Number		
Comment Level		
Comment		

AFS Record Type	Update Screen Number	Batch Transaction Type
--------------------	-------------------------	---------------------------

AFS PLANT GENERAL	300	10
--------------------------	-----	----

Plant Name
 Street Address
 City Code
 City Name
 Zip Code
 Standard Industrial Classification
 Primary Industrial Code
 Secondary Industrial Code
 Tertiary Industrial Code
 Local Control Region
 Regional Planning Agency
 Inspector
 Ambient Monitoring Information
 Source Monitoring Information
 State Private Indicator
 Government Facility Code
 Priority Code
 State Registration Number
 Significant Violator Flag
 SV1
 SV2
 SV3
 SV4
 Facility Capacity
 Facility Capacity Units
 Contact Person Compliance
 Telephone Number
 Plant Description
 Year of Emission Inventory
 UTM Zone

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
----------------------------	---------------------------------	-----------------------------------

**AFS PLANT GENERAL
(con't)**

300

10

UTM Horizontal Coordinate

UTM Vertical Coordinate

Latitude

Longitude

Contact Person-Emissions

Telephone Number

Number of Employees

User Plant ID

Property Area

Emergency Control Plan

Principle Product

SDE 1

SDE 9

MACT Category

Sub Category

Section 112 Indicator

Date Determination Completed

SIP Program(s)

Status Area(s)

AFS PLANT POLLUTANT

301

11

Pollutant Code/

CAS Number

Emissions Type Code

Emissions Value

Decimal Position (batch only)

Units Code

Method Code

State Private Indicator

AFS PLANT AIR PROGRAM

302

12

Air Program Code

Air Program Status

State Implementation Plan

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS PLANT AIR PROGRAM (con't)	302	12
Year of Inspection Frequency		
Inspection Frequency		
RDE 1		
RDE 2		
RDE 3		
RDE 4		
RDE 5		
RDE 6		
RDE 7		
RDE 9		
RDE 10		
RDE 11		
RDE 12		
RDE 15		
Staff Code		
Reporting Requirements to Region		
Odd Year of Inspection Frequency		
Odd Inspection Strategy		
Odd Inspection Frequency		
Even Year of Inspection Frequency		
Even Inspection Strategy		
Even Inspection Frequency		
Subparts Update Indicator (batch only)		
Subparts 1 -9		

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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**AFS PLANT POLLUTANT AIR
PROGRAM**

303

13

Air Program Code
Pollutant Code/
CAS Number
State Pollutant Compliance
Status
State Pollutant
Classification
State Attainment/
Non-Attainment
EPA Pollutant Compliance
Status
EPA Pollutant Classification
EPA Attainment/
Non-Attainment
Loading Derivation Code
RDE 14
Toxicity Level
State Regulation Number

AFS FEE CERTIFICATION

304

14

Fee Status
Fee Status Change Date
Fee Classification
Classification Reason-1
Classification Reason-2
Fee Billing Amount
Fee Billing Date
Fee Penalty Amount
AFS Fee Certification
Fee Penalty Date
Fee Received Date
Fee Payment Check Number
Fee Voucher Number
Fee Certification
(Inspection) Date
State Private Indicator

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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AFS MAILING LABEL

305

15

August 1995

4-5

Plant Level Transactions

Mailing Plant Name
Mailing Street Address
Mailing City Name
Mailing State Abbreviation
Mailing Zip Code
Mailing Label Code

AFS PLANT ACTION

306

16

Action Number
Air Program Code
1
2
3
4
5
6
Action Type
Action Type Category
Action Description
Date Scheduled
Date Achieved
Results Code
Penalty Amount
Staff Code
RDE 8
Pollutant Code/
CAS Number
State Private Indicator
Contractor State
Contractor ID

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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AFS PLANT COMMENT

307

17

Action Number
 Comment Number
 Comment Identifier
 Comment
 Enforcement Sensitive Indicator
 State Private Indicator

AFS PLANT HPV

314

HPV Flag
 HPV Effective Date
 HPV Action Number
 Person Updating Flag
 Date Flag Is Updated
 HPV Flag Source

AFS PLANT CMS

315

18

CMS Source Category
 CMS Minimum Frequency Indicator
 Fiscal Year of Full Compliance Evaluation
 On-Site Visit Indicator
 CMS Comment

The AFS plant level data batch transaction types, online update screens, and associated data are described in Section 4 as follows. Please note that descriptions of mandatory data common to all AFS batch transaction types are described in Section 3.

4.1 Update AFS Inventory SIP

September 1992

4-7

Inventory SIP

The Inventory SIP information is entered either by selecting option 11 from the AFS Utility Menu or submitting batch transaction types 00 and 07. The Inventory SIP information is used to track the review status of a SIP inventory. Fields 4.1.1 thru 4.1.12 define the inventory. These data were loaded into the Inventory SIP file in August for the 1990 Base SIP inventory programs. Plants subject to the 25 mile Radius requirement must be entered individually by the user. Subsequent inventories for inventory types such as Recent Further Progress (RFP) or Modeling, base inventories for years other than 90 or other SIP programs will need to be user defined using the SIP Inventory Utility or batch transactions. Once the inventory has been defined, the review tracking information is entered. The state or designated regional person indicates that the inventory data being tracked has been entered and is available for review. When an inventory is being reviewed or approved by Headquarters, the SIP emissions inventory data is unavailable for update. SIP inventory information are considered draft until the inventory is approved by headquarters. Draft Inventory data may only be retrieved by state and regional personnel.

4.1.1 **BASE YEAR**

BASE YEAR is the year for which a SIP Inventory was developed.

Attributes: 2 digit code
Required

Coding Instructions:

Online: Screen 034

In the '**BASE YEAR**' field found on the Utility SIP Inventory Information screen, enter a 2 digit value for **BASE YEAR** in YY format.

Batch: Transaction type 00, Sequence #1

In columns 1-2, enter a 2 digit value for **BASE YEAR** in YY format.

Online Error Messages:

BASE YEAR IS REQUIRED

BASE YEAR must be entered.

BASE YEAR MUST BE NUMERIC.

BASE YEAR must be entered as a numeric in YY format.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - BASE YEAR IS REQUIRED

BASE YEAR must be entered.

TRANSACTION ERROR - BASE YEAR MUST BE NUMERIC.

BASE YEAR must be entered as a numeric in YY format.

4.1.2 PROJECTION YEAR

PROJECTION YEAR is the year for which projected emissions were developed for a SIP Point Source inventory.

Attributes: 2 digit code
 Required to define a projected inventory

Coding Instructions:

Online: Screen 034

In the 'PROJECTION YEAR' field found on the Utility SIP Inventory Information screen, enter a 2 digit value for **PROJECTION YEAR** in YY format.

Batch: Transaction type 00, Sequence #1

In columns 3-4, enter a 2 digit value for **PROJECTION YEAR** in YY format.

Online Error Messages:

PROJECTION YEAR MUST BE NUMERIC

PROJECTION YEAR must be a numeric value.

PROJECTION YEAR MUST BE GREATER THAN THE CURRENT YEAR.

PROJECTION YEAR must be greater than the current year.

PROJECTION YEAR MUST BE GREATER THAN THE BASE YEAR.

PROJECTION YEAR must be greater than the base year.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PROJECTION YEAR MUST BE NUMERIC

PROJECTION YEAR must be a numeric value.

TRANSACTION ERROR - PROJECTION YEAR MUST BE GREATER THAN THE CURRENT YEAR.

PROJECTION YEAR must be greater than the current year.

TRANSACTION ERROR - PROJECTION YEAR MUST BE GREATER THAN THE BASE YEAR.

PROJECTION YEAR must be greater than the base year.

4.1.3 SIP PROGRAM

SIP PROGRAM is an EPA Emissions Inventory Program that defines pollutants to be addressed for a SIP call.

Attributes: 5 character code
Required

Coding Instructions:

Online: Screen 034

In the 'SIP PROGRAM' field found on the Utility SIP Inventory Information screen, enter up to 5 characters for **SIP PROGRAM** from the list below.

Batch: Transaction type 00, Sequence #1

In columns 5-9, enter up to 5 characters for **SIP PROGRAM** from the list below.

Valid values:

CO - Carbon Monoxide
OZONE - Ozone

Online Error Messages:

SIP PROGRAM IS REQUIRED

SIP PROGRAM must be entered.

INVALID SIP PROGRAM

SIP PROGRAM is not a valid SIP program, as listed above or in the GCS Program table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SIP PROGRAM IS REQUIRED

SIP PROGRAM must be entered.

TRANSACTION ERROR - INVALID SIP PROGRAM

SIP PROGRAM is not a valid SIP program, as listed above or in the GCS Program table.

4.1.4 STATUS AREA

STATUS AREA is a five position code defined by EPA which groups one or more non-attainment or attainment counties under one 'code' for the purpose of tracking inventory status.

Attributes: 5 character code
Required

Coding Instructions:

Online: Screen 034

In the 'STATUS AREA' field found on the Utility SIP Inventory Information screen, enter a valid 5 alphanumeric for **STATUS AREA**.

Batch: Transaction type 00, Sequence #1

In columns 14-18, enter up to 5 numerics for **STATUS AREA**.

Status Area is validated against the Geocommon STATUS AREA Table in conjunction with the STATE CODE and SIP PROGRAM entered. Code descriptions are available through GCS Online Browse Option 26 or through GCS Batch Retrieval.

Online Error Messages:

INVALID STATUS AREA CODE

STATUS AREA code must be a valid status area code.

STATUS AREA IS REQUIRED

STATUS AREA must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATUS AREA CODE

STATUS AREA code must be a valid status area code.

TRANSACTION ERROR - STATUS AREA IS REQUIRED

STATUS AREA must be entered.

4.1.5 INVENTORY TYPE

INVENTORY TYPE is a one position code which identifies a category of inventory.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 034

In the 'INVENTORY TYPE' field found on the Utility SIP Inventory Information screen, enter 1 character for **INVENTORY TYPE** from the list below.

Batch: Transaction type 00, Sequence #1

In column 19, enter 1 character for **INVENTORY TYPE** from the list below.

Valid Values:

B - Base
R - Recent Further Progress (RFP)
M - Modeling

Online Error Messages:

INVENTORY TYPE IS REQUIRED

INVENTORY TYPE must be entered.

INVALID INVENTORY TYPE

INVENTORY TYPE entered must be a valid **INVENTORY TYPE**, from the list above.

PROJECTED INVENTORY TYPE MUST BE 'R' OR 'M'.

INVENTORY TYPE must be 'R' or 'M' if the PROJECTION YEAR field is filled in.

BASE INVENTORY TYPE MUST BE 'B'.

INVENTORY TYPE must be 'B' if the PROJECTION YEAR field is not filled in.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVENTORY TYPE IS REQUIRED

INVENTORY TYPE must be entered.

TRANSACTION ERROR - INVALID INVENTORY TYPE

INVENTORY TYPE entered must be a valid **INVENTORY TYPE**, from the list above.

TRANSACTION ERROR - PROJECTED INVENTORY TYPE MUST BE 'R' OR 'M'.

INVENTORY TYPE must be 'R' or 'M' if the PROJECTION YEAR field is filled in.

TRANSACTION ERROR - BASE INVENTORY TYPE MUST BE 'B'.

INVENTORY TYPE must be 'B' if the PROJECTION YEAR field is not filled in.

4.1.6 STATE CODE

STATE CODE is a two position FIPS code identifying the state in which a plant is located.

Attributes: 2 character code
Required

Coding Instructions:

Online: Screen 034

In the 'STATE CODE' field found on the Utility SIP Inventory Information screen, enter a **STATE CODE** from the list below.

Batch: Transaction type 00, Sequence #1

In columns 20-21, enter a **STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLOMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

STATE CODE IS REQUIRED

STATE CODE must be entered.

INVALID STATE

STATE CODE must be a valid state code

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE CODE IS REQUIRED

STATE CODE must be entered.

TRANSACTION ERROR - INVALID STATE

STATE CODE must be a valid state code

4.1.7 COUNTY CODE

COUNTY CODE is a three position FIPS code which identifies a county in a SIP inventory status area.

Attributes: 3 character code
 Optional (required to establish a Radius Plant)

Coding Instructions:

Online: Screen 034

In the 'COUNTY CODE' field found on the Utility SIP Inventory Information screen, enter up to 3 characters for **COUNTY CODE**. Valid values are available through GCS Browse FIPS-AREA table, Online Browse Menu Option 15 or by placing "?" in the first character of the online data field.

Batch: Transaction type 00, Sequence #1

In columns 22-24, enter up to 3 characters for **COUNTY CODE**. Valid values are available through GCS Browse FIPS-AREA table, the Online Browse Menu Option 15.

Online Error Messages:

INVALID COUNTY CODE FOR STATE SPECIFIED

COUNTY CODE must exist for that state on the AFS Table.

COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If PLANT IDENTIFICATION is entered, **COUNTY CODE** must be entered, and vice versa.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COUNTY CODE IS REQUIRED

COUNTY CODE must be entered.

TRANSACTION ERROR - COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If PLANT IDENTIFICATION is entered, **COUNTY CODE** must be entered, and vice versa.

4.1.8 PLANT IDENTIFICATION

PLANT IDENTIFICATION is a four position emissions plant identifier required to define a radius plant to be included in a SIP Inventory. The **PLANT IDENTIFICATION** corresponds a NEDS Plant ID.

Attributes: 4 character code
Optional (required to establish a Radius Plant)

Coding Instructions:

Online: Screen 034

In the 'PLANT IDENTIFICATION' field found on the Utility SIP Inventory Information screen, enter up to 4 characters for **PLANT IDENTIFICATION**.

Batch: Transaction type 00, Sequence #1

In columns 25-28, enter up to 4 characters for **PLANT IDENTIFICATION**.

Online Error Messages:

INVALID PLANT IDENTIFICATION

PLANT IDENTIFICATION must be a valid plant number.

COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If **PLANT IDENTIFICATION** is entered, COUNTY CODE must be entered, and vice versa.

PLANT DOES NOT EXIST

PLANT IDENTIFICATION must exist for the STATE CODE and COUNTY CODE entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PLANT IDENTIFICATION

PLANT IDENTIFICATION must be a valid plant number.

TRANSACTION ERROR - COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If **PLANT IDENTIFICATION** is entered, COUNTY CODE must be entered, and vice versa.

TRANSACTION ERROR - PLANT DOES NOT EXIST

PLANT IDENTIFICATION must exist for the STATE CODE and COUNTY CODE entered.

4.1.9 **PUBLIC ACCESS**

PUBLIC ACCESS is an obsolete field and should not be coded in online or batch.

4.1.10 **AVAILABLE FOR REVIEW**

AVAILABLE FOR REVIEW is a one position code which identifies if a state inventory is available for EPA review.

AVAILABLE FOR REVIEW cannot be addressed when REGIONAL REVIEW is set to 'Y'; however, this restriction is suspended for users identified with ADBA authority.

Attributes: 1 character code
Optional

Coding Instructions:

Online: Screen 134

In the 'AVAILABLE FOR REVIEW' field found on the Utility SIP Inventory Information screen, enter 1 character for **AVAILABLE FOR REVIEW**. Valid values are 'Y', 'N', or blank.

Batch: Transaction type 00, Sequence #1

In column 30, enter 1 character for **AVAILABLE FOR REVIEW**. Valid values are 'Y', 'N', or blank.

Online Error Messages:

AVAILABLE FOR REVIEW MUST BE 'Y' OR 'N' OR BLANK.

AVAILABLE FOR REVIEW valid values are 'Y', 'N' or blank.

AVAILABLE FOR REVIEW CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **AVAILABLE FOR REVIEW** has been stored as non-blank, it cannot be changed to a blank value -- values must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AVAILABLE FOR REVIEW MUST BE 'Y' OR 'N' OR BLANK.

AVAILABLE FOR REVIEW valid values are 'Y', 'N' or blank.

TRANSACTION ERROR - AVAILABLE FOR REVIEW CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **AVAILABLE FOR REVIEW** has been stored as non-blank, it cannot be changed to a blank value -- values must be 'Y' or 'N'.

TRANSACTION ERROR - UPDATE ACCESS DENIED TO AVAILABLE FOR REVIEW.

AVAILABLE FOR REVIEW cannot be updated when the Regional Review field is set to 'Y'.

4.1.11 REGIONAL REVIEW

REGIONAL REVIEW is a one position code which identifies if an inventory has been reviewed and approved by Regional EPA Personnel.

If the value is changed to 'N', the AVAILABLE FOR REVIEW field is automatically set back to 'N'.

REGIONAL REVIEW cannot be addressed unless the AVAILABLE FOR REVIEW field is set to 'Y' and the HEADQUARTERS REVIEW field is not set to 'Y'; however, this restriction is suspended for users identified with ADBA authority.

Attributes: 1 character code
 Optional

Coding Instructions:

Online: Screen 134

In the 'REGIONAL REVIEW' field found on the Utility SIP Inventory Information screen, enter 1 character for **REGIONAL REVIEW**. Valid values are 'Y', 'N', or blank.

Batch: Transaction type 00, Sequence #1

In column 31, enter 1 character for **REGIONAL REVIEW**. Valid values are 'Y', 'N', or blank.

Online Error Messages:

REGIONAL APPROVAL FIELD MUST BE 'Y' OR 'N' OR BLANK.

REGIONAL REVIEW valid values are 'Y', 'N' or blank.

REGIONAL APPROVAL CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **REGIONAL REVIEW** has been stored as non-blank, it cannot be changed to a blank value
-- values must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - REGIONAL APPROVAL FIELD MUST BE 'Y' OR 'N' OR BLANK.

REGIONAL REVIEW valid values are 'Y', 'N' or blank.

TRANSACTION ERROR - REGIONAL APPROVAL CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **REGIONAL REVIEW** has been stored as non-blank, it cannot be changed to a blank value
-- values must be 'Y' or 'N'.

TRANSACTION ERROR - UPDATE ACCESS DENIED TO REGIONAL REVIEW.

AVAILABLE FOR REVIEW can only be updated when the Available for Review field is set to 'Y'
and the HEADQUARTERS REVIEW field is not set to 'Y'.

4.1.12 HEADQUARTERS REVIEW

HEADQUARTERS REVIEW is a one position code which identifies if a state inventory has been reviewed by EPA Headquarters. A 'Y' value indicates that headquarters has approved the SIP Inventory.

If the value is changed to 'N', the AVAILABLE FOR REVIEW and REGIONAL REVIEW fields are automatically set back to 'N'.

HEADQUARTERS REVIEW cannot be addressed until the REGIONAL REVIEW field has been set to 'Y'; however, this restriction is suspended for users identified with ADBA authority.

Attributes: 1 character code
Optional

Coding Instructions:

Online: Screen 134

In the 'HEADQUARTERS REVIEW' field found on the Utility SIP Inventory Information screen, enter 1 character for **HEADQUARTERS REVIEW**. Valid values are 'Y', 'N', and blank.

Batch: Transaction type 00, Sequence #1

In column 32, enter 1 character for **HEADQUARTERS REVIEW**. Valid values are 'Y', 'N', and blank.

Online Error Messages:

HEADQUARTERS APPROVAL FIELD MUST BE 'Y' OR 'N' OR BLANK.

HEADQUARTERS REVIEW valid values are 'Y', 'N' or blank.

HEADQUARTERS APPROVAL CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **HEADQUARTERS REVIEW** has stored as non-blank, it cannot be changed to a blank value -- values must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - HEADQUARTERS APPROVAL FIELD MUST BE 'Y' OR 'N' OR BLANK.

HEADQUARTERS REVIEW valid values are 'Y', 'N' or blank.

TRANSACTION ERROR - HEADQUARTERS APPROVAL CANNOT BE BLANK - MUST BE 'Y' OR 'N'.

Once **HEADQUARTERS REVIEW** has been stored as non-blank, it cannot be changed to a blank value -- values must be 'Y' or 'N'.

TRANSACTION ERROR - UPDATE ACCESS DENIED TO REGIONAL REVIEW.

AVAILABLE FOR REVIEW can only be updated when the Available for Review field is set to 'Y' and the HEADQUARTERS REVIEW field is not set to 'Y'.

4.2 Update AFS Inventory Comment

AFS Comment supports the maintenance of up to 188 characters of comment information pertaining to the SIP Inventory. Through the use of the comment "level" identifier, specific comments can be designated as applicable to State, Regional or Headquarters users. Fields 4.2.1 thru 4.2.14 define the Inventory Comments.

4.2.1 BASE YEAR

BASE YEAR is the year for which a SIP Inventory was developed.

Attributes: 2 digit code
 Required

Coding Instructions:

Online: Screen 034

In the '**BASE YEAR**' field found on the Utility SIP Inventory Information screen, enter a 2 digit value for **BASE YEAR** in YY format.

Batch: Transaction type 07, Sequence #1-4

In columns 1-2, enter a 2 digit value for **BASE YEAR** in YY format.

Online Error Messages:

BASE YEAR IS REQUIRED

BASE YEAR must be entered.

BASE YEAR MUST BE NUMERIC.

BASE YEAR must be entered as a numeric in YY format.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - BASE YEAR IS REQUIRED

BASE YEAR must be entered.

TRANSACTION ERROR - BASE YEAR MUST BE NUMERIC.

BASE YEAR must be entered as a numeric in YY format.

4.2.2 PROJECTION YEAR

PROJECTION YEAR is the year for which projected emissions were developed for a SIP Point Source inventory.

Attributes: 2 digit code
Required to define a projected inventory

Coding Instructions:

Online: Screen 034

In the 'PROJECTION YEAR' field found on the Utility SIP Inventory Information screen, enter a 2 digit value for **PROJECTION YEAR** in YY format.

Batch: Transaction type 07, Sequence #1-4

In columns 3-4, enter a 2 digit value for **PROJECTION YEAR** in YY format.

Online Error Messages:

PROJECTION YEAR MUST BE NUMERIC

PROJECTION YEAR must be a numeric value.

PROJECTION YEAR MUST BE GREATER THAN THE CURRENT YEAR.

PROJECTION YEAR must be greater than the current year.

PROJECTION YEAR MUST BE GREATER THAN THE BASE YEAR.

PROJECTION YEAR must be greater than the base year.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PROJECTION YEAR MUST BE NUMERIC

PROJECTION YEAR must be a numeric value.

TRANSACTION ERROR - PROJECTION YEAR MUST BE GREATER THAN THE CURRENT YEAR.

PROJECTION YEAR must be greater than the current year.

TRANSACTION ERROR - PROJECTION YEAR MUST BE GREATER THAN THE BASE YEAR.

PROJECTION YEAR must be greater than the base year.

4.2.3 SIP PROGRAM

SIP PROGRAM is an EPA Emissions Inventory Program that defines pollutants to be addressed for a SIP call.

Attributes: 5 character code
Required

Coding Instructions:

Online: Screen 034

In the 'SIP PROGRAM' field found on the Utility SIP Inventory Information screen, enter up to 5 characters for **SIP PROGRAM** from the list below.

Batch: Transaction type 07, Sequence #1-4

In columns 5-9, enter up to 5 characters for **SIP PROGRAM** from the list below.

Valid values:

CO - Carbon Monoxide
OZONE - Ozone

Online Error Messages:

SIP PROGRAM IS REQUIRED

SIP PROGRAM must be entered.

INVALID SIP PROGRAM

SIP PROGRAM is not a valid SIP program, as listed above or in the GCS Program table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SIP PROGRAM IS REQUIRED

SIP PROGRAM must be entered.

TRANSACTION ERROR - INVALID SIP PROGRAM

SIP PROGRAM is not a valid SIP program, as listed above or in the GCS Program table.

4.2.4 STATUS AREA

STATUS AREA is a five position code defined by EPA which groups one or more non-attainment or attainment counties under one 'code' for the purpose of tracking inventory status.

Attributes: 5 character code
Required

Coding Instructions:

Online: Screen 034

In the 'STATUS AREA' field found on the Utility SIP Inventory Information screen, enter a valid 5 alphanumeric for **STATUS AREA**.

Batch: Transaction type 07, Sequence #1-4

In columns 14-18, enter up to 5 numerics for **STATUS AREA**.

Status Area is validated against the Geocommon STATUS AREA Table in conjunction with the STATE CODE and SIP PROGRAM entered. Code descriptions are available through GCS Online Browse Option 26 or through GCS Batch Retrieval.

Online Error Messages:

INVALID STATUS AREA CODE

STATUS AREA code must be a valid status area code.

STATUS AREA IS REQUIRED

STATUS AREA must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATUS AREA CODE

STATUS AREA code must be a valid status area code.

TRANSACTION ERROR - STATUS AREA IS REQUIRED

STATUS AREA must be entered.

4.2.5 **INVENTORY TYPE**

INVENTORY TYPE is a one position code which identifies a category of inventory.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 034

In the 'INVENTORY TYPE' field found on the Utility SIP Inventory Information screen, enter 1 character for **INVENTORY TYPE** from the list below.

Batch: Transaction type 07, Sequence #1-4

In column 19, enter 1 character for **INVENTORY TYPE** from the list below.

Valid Values:

B - Base
R - Recent Further Progress (RFP)
M - Modeling

Online Error Messages:

INVENTORY TYPE IS REQUIRED

INVENTORY TYPE must be entered.

INVALID INVENTORY TYPE

INVENTORY TYPE entered must be a valid **INVENTORY TYPE**, from the list above.

PROJECTED INVENTORY TYPE MUST BE 'R' OR 'M'.

INVENTORY TYPE must be 'R' or 'M' if the PROJECTION YEAR field is filled in.

BASE INVENTORY TYPE MUST BE 'B'.

INVENTORY TYPE must be 'B' if the PROJECTION YEAR field is not filled in.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVENTORY TYPE IS REQUIRED

INVENTORY TYPE must be entered.

TRANSACTION ERROR - INVALID INVENTORY TYPE

INVENTORY TYPE entered must be a valid **INVENTORY TYPE**, from the list above.

TRANSACTION ERROR - PROJECTED INVENTORY TYPE MUST BE 'R' OR 'M'.

INVENTORY TYPE must be 'R' or 'M' if the PROJECTION YEAR field is filled in.

TRANSACTION ERROR - BASE INVENTORY TYPE MUST BE 'B'.

INVENTORY TYPE must be 'B' if the PROJECTION YEAR field is not filled in.

4.2.6 **STATE CODE**

STATE CODE is a two position FIPS code identifying the state in which a plant is located.

Attributes: 2 character code
Required

Coding Instructions:

Online: Screen 034

In the 'STATE CODE' field found on the Utility SIP Inventory Information screen, enter a **STATE CODE** from the list below.

Batch: Transaction type 07, Sequence #1-4

In columns 20-21, enter a **STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLOMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

STATE CODE IS REQUIRED

STATE CODE must be entered.

INVALID STATE

STATE CODE must be a valid state code

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE CODE IS REQUIRED

STATE CODE must be entered.

TRANSACTION ERROR - INVALID STATE

STATE CODE must be a valid state code

4.2.7 **COUNTY CODE**

COUNTY CODE is a three position FIPS code which identifies a county in a SIP inventory status area.

Attributes: 3 character code
 Optional (required to establish a Radius Plant)

Coding Instructions:

Online: Screen 034

In the 'COUNTY CODE' field found on the Utility SIP Inventory Information screen, enter up to 3 characters for **COUNTY CODE**. Valid values are available through GCS Browse FIPS-AREA table, Online Browse Menu Option 15 or by placing "?" in the first character of the online data field.

Batch: Transaction type 07, Sequence #1-4

In columns 22-24, enter up to 3 characters for **COUNTY CODE**. Valid values are available through GCS Browse FIPS-AREA table, the Online Browse Menu Option 15.

Online Error Messages:

INVALID COUNTY CODE FOR STATE SPECIFIED

COUNTY CODE must exist for that state on the AFS Table.

COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If PLANT IDENTIFICATION is entered, **COUNTY CODE** must be entered, and vice versa.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COUNTY CODE IS REQUIRED

COUNTY CODE must be entered.

TRANSACTION ERROR - COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If PLANT IDENTIFICATION is entered, **COUNTY CODE** must be entered, and vice versa.

4.2.8 PLANT IDENTIFICATION

PLANT IDENTIFICATION is a four position emissions plant identifier required to define a radius plant to be included in a SIP Inventory. The **PLANT IDENTIFICATION** corresponds a NEDS Plant ID.

Attributes: 4 character code
Optional (required to establish a Radius Plant)

Coding Instructions:

Online: Screen 034

In the 'PLANT IDENTIFICATION' field found on the Utility SIP Inventory Information screen, enter up to 4 characters for **PLANT IDENTIFICATION**.

Batch: Transaction type 07, Sequence #1-4

In columns 25-28, enter up to 4 characters for **PLANT IDENTIFICATION**.

Online Error Messages:

INVALID PLANT IDENTIFICATION

PLANT IDENTIFICATION must be a valid plant number.

COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If **PLANT IDENTIFICATION** is entered, COUNTY CODE must be entered, and vice versa.

PLANT DOES NOT EXIST

PLANT IDENTIFICATION must exist for the STATE CODE and COUNTY CODE entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PLANT IDENTIFICATION

PLANT IDENTIFICATION must be a valid plant number.

TRANSACTION ERROR - COUNTY AND PLANT MUST BOTH BE ENTERED OR BOTH LEFT BLANK

If **PLANT IDENTIFICATION** is entered, COUNTY CODE must be entered, and vice versa.

TRANSACTION ERROR - PLANT DOES NOT EXIST

PLANT IDENTIFICATION must exist for the STATE CODE and COUNTY CODE entered.

4.2.9 **COMMENT NUMBER**

COMMENT NUMBER is a unique three-digit numeric comment identifier for a SIP Inventory Comment.

Attributes: 3 digit code
 Required to access comments (online or batch), but not required on the SIP Inventory screen

Coding Instructions:

Online: Screen 134

In the 'COMMENT NUMBER' field found on the SIP Inventory Screen, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Batch: Transaction type 07, Sequence #1-4

In columns, 29-31, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Online Error Messages:

INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

NO MORE NUMBERS TO GENERATE.

COMMENT NUMBER when entered as a value of '999' can not be processed because no more number can be generated.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - NO MORE NUMBERS TO GENERATE.

COMMENT NUMBER when entered as a value of '999' can not be processed because no more number can be generated.

4.2.10 **COMMENT LEVEL**

COMMENT LEVEL is a one position code which identifies the owner of the comment, whether national, regional or state.

Attributes: 1 character code
 Required to access comments (online or batch), but not required on the SIP Inventory screen

Coding Instructions:

Online: Screen 134

In the 'COMMENT LEVEL' field found on the Utility Sip Inventory Information screen, enter an valid value for **COMMENT LEVEL** from the list below.

Batch: Transaction type 07, Sequence #1-4

In column 32, enter a valid value for **COMMENT LEVEL** from the list below.

Valid Values:

N - National (Headquarters) Comment
R - Regional Comment
S - State Comment

Online Error Messages:

COMMENT LEVEL MUST CORRESPOND TO USER CLASSIFICATION.

COMMENT LEVEL must correspond to the users classification - national, regional or state.

COMMENT LEVEL MUST BE 'N', 'S' OR 'R'.

COMMENT LEVEL valid values are 'N', 'S' or 'R'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMMENT LEVEL MUST CORRESPOND TO USER CLASSIFICATION.

COMMENT LEVEL must correspond to the users classification - national, regional, or state.

TRANSACTION ERROR - COMMENT LEVEL MUST BE 'N', 'S' OR 'R'.

COMMENT LEVEL valid values are 'N', 'S' or 'R'.

4.2.11 **COMMENT 1**

COMMENT 1 is an optional field which permits the user to enter additional information about a SIP Inventory.

Attributes: 47 character code
 Not required

Coding Instructions:

Online: Screen 134

In the 'COMMENT' field found on the Utility SIP Inventory Information screen, enter up to 47 characters for **COMMENT 1**.

Batch: Transaction type 07, Sequence #1

In columns 33-79, enter up to 47 characters for **COMMENT 1**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.2.12 **COMMENT 2**

COMMENT 2 is an optional field which permits the user to enter additional information about a SIP Inventory.

Attributes: 47 character code
 Not required

Coding Instructions:

Online: Screen 134

In the 'COMMENT' field found on the Utility SIP Inventory Information screen, enter up to 47 characters for **COMMENT 2**.

Batch: Transaction type 07, Sequence #2

In columns 33-79, enter up to 47 characters for **COMMENT 2**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.2.13 **COMMENT 3**

COMMENT 1 is an optional field which permits the user to enter additional information about a SIP Inventory.

Attributes: 47 character code
 Not required

Coding Instructions:

Online: Screen 134

In the 'COMMENT' field found on the Utility SIP Inventory Information screen, enter up to 47 characters for **COMMENT 3**.

Batch: Transaction type 07, Sequence #3

In columns 33-79, enter up to 47 characters for **COMMENT 3**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.2.14 **COMMENT 4**

COMMENT 4 is an optional field which permits the user to enter additional information about a SIP Inventory.

Attributes: 47 character code
 Not required

Coding Instructions:

Online: Screen 134

In the 'COMMENT' field found on the Utility SIP Inventory Information screen, enter up to 47 characters for **COMMENT 4**.

Batch: Transaction type 07, Sequence #4

In columns 33-79, enter up to 47 characters for **COMMENT 4**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3 Update AFS Plant General

General name address, industry type, emission inventory category and date, and contact data for each plant are maintained on the AFS Plant General record. In addition to the plant general record, to add a new compliance facility in AFS, users must also add one regulatory air program record and associated regulatory air program pollutant record.

4.3.1 PLANT NAME

PLANT NAME is the name associated with a plant at a given location.

Attributes: 40 character code
Required

Coding Instructions:

Online: Screen 300

In the 'PLANT NAME' field found on the General Plant Information screen, enter up to 40 characters for **PLANT NAME**.

Batch: Transaction type 10, Sequence #1

In columns 16-55, enter up to 40 characters for **PLANT NAME**.

Online Error Messages:

PLANT NAME IS REQUIRED

PLANT NAME must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PLANT NAME IS REQUIRED

PLANT NAME must be entered.

4.3.2 STREET ADDRESS

STREET ADDRESS is the street address for the plant.

Attributes: 30 character code
Required

Coding Instructions:

Online: Screen 300

In the 'STREET ADDRESS' field found on the General Plant Information screen, enter up to 30 characters for **STREET ADDRESS**.

Batch: Transaction type 10, Sequence #2

In columns 16-45, enter up to 30 characters for **STREET ADDRESS**.

Online Error Messages:

STREET ADDRESS IS REQUIRED

STREET ADDRESS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STREET ADDRESS IS REQUIRED

STREET ADDRESS must be entered.

4.3.3 ASSOCIATED PLANT ID

ASSOCIATED PLANT ID is a four position emissions plant identifier or a five position compliance plant identifier.

Attributes: 5 character code
Not Required

Coding Instructions:

Online: Screen 000

In the 'PLANT ID' section of the 'STATE/COUNTY/PLANT ID' field found in the AFS Plant Identification screen, enter valid **ASSOCIATED PLANT IDs** on the line 'CDS Plant Id' and on the line 'NEDS Plant Id'.

Batch: Transaction type 10, Sequence #1

In columns 56-60, enter up to 5 characters for **ASSOCIATED PLANT ID**.

Online Error Messages:

SELECT ONE IDENTIFIER FOR AN UPDATE.

Enter only one plant identifier to select an existing associated plant.

CANNOT ASSOC PLANTS WHICH ALREADY EXIST, PLEASE USE MERGE UTILITY.

Cannot associate two existing plants.

THE EMISSIONS PLANT IS ALREADY ASSOCIATED, PLEASE USE MERGE UTILITY.

The emissions plant exists and is already associated to a compliance plant. In order to associate the emissions plant to another, existing compliance plant you must use the plant merge/associate utility.

MUST USE THE CURRENT YEAR OF INVENTORY WHEN ASSOCIATING TO OTHER ID'S.

When associating two plants together, you must use the current year of inventory.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SELECT ONE IDENTIFIER FOR AN UPDATE.

Enter only one plant identifier to select an existing associated plant.

TRANSACTION ERROR - CANNOT ASSOC PLANTS WHICH ALREADY EXIST, PLEASE USE MERGE UTILITY.

Cannot associate two existing plants.

TRANSACTION ERROR - MUST USE THE CURRENT YEAR OF INVENTORY WHEN ASSOCIATING TO OTHER ID'S.

When associating two plants together, you must use the current year of inventory.

TRANSACTION ERROR - CANNOT ASSOCIATE TWO EMISSION ID'S.

Cannot associate two emission plants.

TRANSACTION ERROR - CANNOT ASSOCIATE TWO COMPLIANCE ID'S.

Cannot associate two compliance plants.

TRANSACTION ERROR - UPDATE CODE MUST BE 'A' FOR AN ASSOCIATED PLANT ADD.

An associated plant add transaction must have an update code of 'A'.

TRANSACTION ERROR - THE EMISSIONS PLANT IS ALREADY ASSOCIATED, PLEASE USE MERGE UTILITY.

The emissions plant exists and is already associated to a compliance plant. In order to associate the emissions plant to another, existing compliance plant you must use the plant merge/associate utility.

4.3.4 CITY CODE

CITY CODE is a five digit FIPS code used to identify the city or town in which a plant is located.

Attributes: 5 digit code
Required (City Code or City Name) except for plants in county 888.

Coding Instructions:

Online: Screen 300

In the 'CITY CODE' field found on the General Plant Information screen, enter a valid **CITY CODE**. The use of CITY CODE will result in the generation of the associated CITY NAME in the CITY NAME field.

Batch: Transaction Type 10, Sequence #2

In columns 46-50, enter a valid **CITY CODE**. The **CITY CODE** must exist on the FIPS Area Table maintained within GCS.

FIPS City Codes are available by placing "?" in the first position of the online ID screen, county field, or by accessing the "State/ City" code table available on selection 11 of the table lookup menu (utility menu selection 11) of the AFS utility menu.

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID CITY CODE

CITY CODE must be valid for the county on the FIPS Area Table except counties 777 and 888. City Code must be valid for the state for counties 777 and 888.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CITY CODE

CITY CODE must be valid for the county on the FIPS Area Table except counties 777 and 888. City Code must be valid for the state for counties 777 and 888.

4.3.5 CITY NAME

CITY NAME is the name of the city or town in which a plant is located.

Attributes: 30 character code
Required (City Name or City Code)

Coding Instructions:

Online: Screen 300

In the 'CITY NAME' field found in the General Plant Information screen, enter up to 30 characters for **CITY NAME**.

Batch: Transaction type 10, Sequence #3

In columns 16-45, enter up to 30 characters for **CITY NAME**.

Online Error Messages:

CITY NAME IS REQUIRED

CITY NAME must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CITY NAME IS REQUIRED

CITY NAME must be entered.

4.3.6 **ZIP CODE**

ZIP CODE is the zip code for a plant address.

Attributes: 9 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'ZIP CODE' field found on the General Plant Information screen, enter a valid **ZIP CODE**.

Batch: Transaction type 10, Sequence #3

In columns 46-54, enter a valid **ZIP CODE**.

Online Error Messages:

ZIP CODE FORMAT MUST BE '99999' OR '99999-9999'.

ZIP CODE must be numeric in the format '99999' or '99999-9999'

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE FORMAT MUST BE '99999' OR '99999-9999'.

ZIP CODE must be numeric in the format '99999' or '99999-9999'

4.3.7 PRIMARY INDUSTRIAL CODE

PRIMARY INDUSTRIAL CODE is a four-character code classifying the main product produced or service performed at the plant.

Attributes: 4 digit code
Required

Coding Instructions:

Online: Screen 300

In the 'PRIMARY INDUSTRIAL CODE' field on the General Plant Information screen, enter a valid **PRIMARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu option 10, or by placing "?" in the first characters of the Primary Industrial code field.

Batch: Transaction type 10, Sequence #3

In columns 55-58, enter a valid **PRIMARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu.

Online Error Messages:

INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE

PRIMARY INDUSTRIAL CODE must be on the valid SIC table.

PRIMARY INDUSTRIAL CLASSIFICATION CODE IS REQUIRED

PRIMARY INDUSTRIAL CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PRIMARY INDUSTRIAL CLASSIFICATION CODE

PRIMARY INDUSTRIAL CODE must be on the valid SIC table.

TRANSACTION ERROR - PRIMARY INDUSTRIAL CLASSIFICATION CODE IS REQUIRED

PRIMARY INDUSTRIAL CODE must be entered.

4.3.8 **SECONDARY INDUSTRIAL CODE**

SECONDARY INDUSTRIAL CODE is a four-character code classifying the secondary product produced or service performed at the plant.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SECONDARY INDUSTRIAL CODE' field on the General Plant Information screen, enter a valid **SECONDARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu, option 10 or by placing "?" in the first character of the Secondary Industrial Code field.

Batch: Transaction type 10, Sequence #3

In columns 59-62, enter a valid **SECONDARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu.

Online Error Messages:

INVALID SECONDARY INDUSTRIAL CLASSIFICATION CODE

SECONDARY INDUSTRIAL CODE must be on the valid SIC table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SECONDARY INDUSTRIAL CLASSIFICATION CODE

SECONDARY INDUSTRIAL CODE must be on the valid SIC table.

4.3.9 TERTIARY INDUSTRIAL CODE

TERTIARY INDUSTRIAL CODE is a four-character code classifying the third major product produced or service performed at the plant.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'TERTIARY INDUSTRIAL CODE' field found on the General Plant Information screen, enter a valid **TERTIARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu option 10 or by placing "?" in the first character of the Tertiary Industrial Code field.

Batch: Transaction type 10, Sequence #3

In columns 63-66, enter a valid **TERTIARY INDUSTRIAL CODE** from the SIC Table. This table is available online through the AFS Utility Selection Menu.

Online Error Messages:

INVALID TERTIARY INDUSTRIAL CLASSIFICATION CODE

TERTIARY INDUSTRIAL CODE must be on the valid SIC table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TERTIARY INDUSTRIAL CLASSIFICATION CODE

TERTIARY INDUSTRIAL CODE must be on the valid SIC table.

4.3.10 LOCAL CONTROL REGION

LOCAL CONTROL REGION is a user-defined two-character code identifying the local control region with jurisdiction over the plant.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'LOCAL CONTROL REGION' field found on the General Plant Information screen, enter up to 2 alphanumeric characters for **LOCAL CONTROL REGION**.

Batch: Transaction type 10, Sequence #3

In columns 67-68, enter up to 2 alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Report Messages:

None.

4.3.11 REGIONAL PLANNING AGENCY

REGIONAL PLANNING AGENCY is a user-defined code identifying the regional planning agency with jurisdiction over the plant.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'REGIONAL PLANNING AGENCY' field on the General Plant Information screen, enter up to 2 alphanumeric characters for **REGIONAL PLANNING AGENCY**.

Batch: Transaction type 10, Sequence #3

In columns 69-70, enter up to 2 alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.12 **INSPECTOR**

INSPECTOR is a three-character code identifying the staff member who performed a plant inspection.

Attributes: 3 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'INSPECTOR' field found on the General Plant Information screen, enter a valid **INSPECTOR** name. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 10, Sequence #3

In columns 71-73, enter a valid **INSPECTOR** name.

Online Error Messages:

INVALID INSPECTOR CODE

The **INSPECTOR** code must exist on the Staff Table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID INSPECTOR CODE

The **INSPECTOR** code must exist on the Staff Table.

4.3.13 AMBIENT MONITORING INFORMATION

AMBIENT MONITORING INFORMATION indicates if a plant or regulatory agency maintains ambient monitoring equipment at the facility.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'AMBIENT MONITORING INFORMATION' field found on the General Plant Information screen, enter 'Y' or 'N'.

Batch: Transaction type 10, Sequence #3

In column 74, enter 'Y' or 'N' for **AMBIENT MONITORING INFORMATION**.

Online Error Messages:

AMBIENT MONITORING INFORMATION MUST BE 'Y' OR 'N'.

AMBIENT MONITORING INFORMATION must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AMBIENT MONITORING INFORMATION MUST BE 'Y' OR 'N'.

AMBIENT MONITORING INFORMATION must be 'Y' or 'N'.

4.3.14 **SOURCE MONITORING INFORMATION**

SOURCE MONITORING INFORMATION indicates if a plant has operating source monitoring equipment installed at the plant.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SOURCE MONITORING INFORMATION' field on the General Plant Information screen, enter 'Y' or 'N'.

Batch: Transaction type 10, Sequence #3

In column 75, enter 'Y' or 'N' for **SOURCE MONITORING INFORMATION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.15 GOVERNMENTAL FACILITY CODE

GOVERNMENTAL FACILITY CODE is a one-character code identifying facilities owned or operated by a governmental unit.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 300

In the 'GOVERNMENTAL FACILITY CODE' field found on the General Plant Information screen, enter a valid **GOVERNMENTAL FACILITY CODE** from the list below.

Batch: Transaction type 10, Sequence #4

In column 14, enter a valid **GOVERNMENTAL FACILITY CODE** from the list below.

- 0 - ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
- 1 - SOURCE OWNED OR OPERATED BY THE FEDERAL GOVERNMENT
- 2 - SOURCE OWNED OR OPERATED BY THE STATE
- 3 - SOURCE OWNED OR OPERATED BY THE COUNTY
- 4 - SOURCE OWNED OR OPERATED BY THE MUNICIPALITY
- 5 - SOURCE OWNED OR OPERATED BY THE DISTRICT

Online Error Messages:

INVALID GOVERNMENTAL FACILITY CODE

GOVERNMENTAL FACILITY CODE must be valid as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID GOVERNMENTAL FACILITY CODE

GOVERNMENTAL FACILITY CODE must be valid as listed above.

4.3.16 PRIORITY CODE

PRIORITY CODE is a one-character code which is used to identify facilities falling into various priority categories.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 300

In the 'PRIORITY CODE' field found on the General Plant Information screen, enter a valid **PRIORITY CODE** from the list below.

Batch: Transaction type 10, Sequence #4

In column 15, enter a valid **PRIORITY CODE** from the list below.

M -	MUNICIPAL INCINERATOR PLANTS	X -	COAL- & OIL-FIRED POWER PLANT	N -	NUCLEAR POWER
R -	REFINERY	Y -	COAL- & GAS-FIRED POWER	I -	IRON AND STEEL, NON-PRIORITY PLANT
P -	IRON AND STEEL, PRIORITY	Z -	OIL- & GAS-FIRED POWER PLANT		
C -	COAL-FIRED POWER PLANT	S -	SMELTER		
O -	OIL-FIRED POWER PLANT	G -	GAS-FIRED POWER PLANT		
U -	UNDETERMINED FUEL-FIRED POWER PLANTS	D -	DIESEL-FIRED INTERNAL COMBUSTION POWER PLANT		
		T -	GAS TURBINE POWER PLANT		
		A -	ALL FOSSIL FUEL-FIRED POWER PLANTS, I.E., C, O, & G		

Online Error Messages:

INVALID PRIORITY CODE

PRIORITY CODE must be valid as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PRIORITY CODE

PRIORITY CODE must be valid as listed above.

4.3.17 STATE REGISTRATION NUMBER

STATE REGISTRATION NUMBER is a user-defined identifier used by the state to identify a plant.

Attributes: 15 character code
Not required

Coding Instructions:

Online: Screen 300

In the 'STATE REGISTRATION NUMBER' field found on the General Plant Information screen, enter up to 15 alphanumeric characters for **STATE REGISTRATION NUMBER**

Batch: Transaction type 10, Sequence #4

In columns 16-30, enter up to 15 alphanumeric characters for **STATE REGISTRATION NUMBER**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.18 SIGNIFICANT VIOLATOR FLAG 1

SIGNIFICANT VIOLATOR FLAG 1 is the first of four fields used to indicate major sources that are considered "Significant Violators" and to identify the lead agency responsible for enforcement. Significant Violator Flag 1 is used to indicate the most recent semi-annual significant violator status applied to the facility.

Attributes: 1 character code
 Not required

Coding Instructions:

The Significant Violator Flag 1 is not available for update. The field is available for viewing via AdHoc.

Definitions:

SVIL - SIGNIFICANT VIOLATOR - any major stationary source exceeding government designated emission rates for one or more specified pollutants

4.3.19 **SIGNIFICANT VIOLATOR FLAG 2**

SIGNIFICANT VIOLATOR FLAG 2 is the second of four fields used to indicate major sources that are considered "Significant Violators" and to identify the lead agency responsible for enforcement. Significant Violator Flag 2 is used to indicate the second most recent semi-annual significant violator status applied to the facility.

Attributes: 1 character code
 Not required

Coding Instructions:

The Significant Violator Flag 2 is not available for update. The field is available for viewing via AdHoc.

Definitions:

SVIL - SIGNIFICANT VIOLATOR - any major stationary source exceeding government designated emission rates for one or more specified pollutants

4.3.20 SIGNIFICANT VIOLATOR FLAG 3

SIGNIFICANT VIOLATOR FLAG 3 is the third of four fields used to indicate major sources that are considered "Significant Violators" and to identify the lead agency responsible for enforcement. Significant Violator Flag 3 is used to indicate the third most recent semi-annual significant violator status applied to the facility.

Attributes: 1 character code
 Not required

Coding Instructions:

The Significant Violator Flag 3 is not available for update. The field is available for viewing via AdHoc.

Definitions:

SVIL - SIGNIFICANT VIOLATOR - any major stationary source exceeding government designated emission rates for one or more specified pollutants

4.3.21 **SIGNIFICANT VIOLATOR FLAG 4**

SIGNIFICANT VIOLATOR FLAG 4 is the fourth of four fields used to indicate major sources that are considered "Significant Violators" and to identify the lead agency responsible for enforcement. Significant Violator Flag 4 is used to indicate the fourth most recent semi-annual significant violator status applied to the facility.

Attributes: 1 character code
 Not required

Coding Instructions:

The Significant Violator Flag 4 is not available for update. The field is available for viewing via AdHoc.

Definitions:

SVIL - SIGNIFICANT VIOLATOR - any major stationary source exceeding government designated emission rates for one or more specified pollutants

4.3.22 **FACILITY CAPACITY**

FACILITY CAPACITY is the total output capacity for the principal product produced at a plant.

Attributes: 7 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'FACILITY CAPACITY' field found on the General Plant Information screen, enter 0 - 999999.9 numerics for **FACILITY CAPACITY**.

Batch: Transaction type 10, Sequence #4

In columns 35-41, enter 0 - 999999.9 numerics for **FACILITY CAPACITY**.

Online Error Messages:

FACILITY CAPACITY MUST BE NUMERIC - FORMAT 99999999.

FACILITY CAPACITY was entered as an alphanumeric.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - FACILITY CAPACITY MUST BE NUMERIC.

FACILITY CAPACITY was entered as an alphanumeric.

4.3.23 FACILITY CAPACITY UNITS

FACILITY CAPACITY UNITS are the user-defined units of measurement for the production output capacity of a facility. Units should be appropriate for the product produced at the facility (e.g. millions/square feet for gas processing plant, etc.).

Attributes: 15 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'FACILITY CAPACITY UNITS' field found on the General Plant Information screen, enter up to 15 characters for **FACILITY CAPACITY UNITS**.

Batch: Transaction type 10, Sequence #4

In columns 42-56, enter up to 15 characters for **FACILITY CAPACITY UNITS**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.24 **CONTACT PERSON-COMPLIANCE**

CONTACT PERSON-COMPLIANCE is the name of the person who is knowledgeable about compliance information for the facility.

Attributes: 20 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'CONTACT PERSON-COMPLIANCE' field found on the General Plant Information screen, enter up to 20 characters for **CONTACT PERSON-COMPLIANCE**.

Batch: Transaction type 10, Sequence #5

In columns 14-33, enter up to 20 characters for **CONTACT PERSON-COMPLIANCE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.25 TELEPHONE NUMBER

TELEPHONE NUMBER is the telephone number for the compliance contact person at a plant.

Attributes: 10 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'TELEPHONE NUMBER' field found on the General Plant Information screen, enter a 10 digit value for **TELEPHONE NUMBER**.

Batch: Transaction type 10, Sequence #5

In columns 34-43, enter a 10 digit value for **TELEPHONE NUMBER**.

Online Error Messages:

TELEPHONE NUMBER MUST BE NUMERIC - FORMAT (999) 999-9999

TELEPHONE NUMBER must be numeric only and completely filled in.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - TELEPHONE NUMBER MUST BE NUMERIC - FORMAT (999) 999-9999

TELEPHONE NUMBER must be numeric only and completely filled in.

4.3.26 **PLANT DESCRIPTION**

PLANT DESCRIPTION is a brief description of the physical plant.

Attributes: 25 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'PLANT DESCRIPTION' field found on the General Plant Information screen, enter up to 25 characters for **PLANT DESCRIPTION**.

Batch: Transaction type 10, Sequence #5

In columns 44-68, enter up to 25 characters for **PLANT DESCRIPTION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.27 YEAR OF EMISSIONS INVENTORY

YEAR OF EMISSIONS INVENTORY is the year of record associated with estimated and measured emissions information for a plant.

Attributes: 2 digit code
Required

Coding Instructions:

Online: Screen 300

In the 'YEAR OF EMISSIONS INVENTORY' field found on the General Plant Information screen, enter a 2 digit value for **YEAR OF EMISSIONS INVENTORY**.

The Year of Emissions Inventory field is edited online in a variety of ways:

1. User adding new plants may update any year '00' - '99' for their facility.
2. On screen 300, users may decrement the existing year to an earlier year that does not already exist on the archive files.
3. Users may increment the existing record by one year, or
4. Users may increment the existing record by more than one year and must first respond affirmatively to a window asking them to confirm that this is what they want to do.

Batch: Transaction type 10, Sequence #6

In columns 16-17, enter a 2 digit value for **YEAR OF EMISSIONS INVENTORY**.

Online Error Messages:

YEAR OF EMISSION INVENTORY MUST BE NUMERIC.

YEAR OF EMISSIONS INVENTORY must be a numeric value.

THIS EMISSIONS INVENTORY YEAR OF RECORD ALREADY EXISTS FOR THE PLANT.

YEAR OF EMISSIONS INVENTORY must not already exist on the archive files when a decrement is requested.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR OF EMISSION INVENTORY MUST BE NUMERIC.

YEAR OF EMISSIONS INVENTORY must be a numeric value.

TRANSACTION ERROR - THIS EMISSIONS INVENTORY YEAR OF RECORD ALREADY EXISTS FOR THE PLANT.

YEAR OF EMISSIONS INVENTORY must not already exist on the archive files when a decrement is requested.

4.3.28 UTM ZONE

UTM ZONE is the universal transverse mercator zone associated with the UTM coordinates given for a plant.

Attributes: 2 digit code
Not required, unless UTM HORIZONTAL and VERTICAL Coordinates are supplied.

Coding Instructions:

Online: Screen 300

In the 'UTM ZONE' field found on the General Plant Information screen, enter a 2 digit value for **UTM ZONE**. Valid values are available through AFS Utility Menu Selection Option 11 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 10, Sequence #6

In columns 18-19, enter a 2 digit value for **UTM ZONE**.

Online Error Messages:

INVALID UTM ZONE.

UTM ZONE must exist on the TABLE-UTM Table.

UTM ZONE REQUIRED IF HORIZONTAL AND VERTICAL ENTERED.

UTM ZONE is required if UTM HORIZONTAL and VERTICAL Coordinates are entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID UTM ZONE.

UTM ZONE must exist on the TABLE-UTM Table.

TRANSACTION ERROR - UTM ZONE REQUIRED IF HORIZONTAL AND VERTICAL ENTERED.

UTM ZONE is required if UTM HORIZONTAL and VERTICAL Coordinates are entered.

4.3.29 UTM HORIZONTAL COORDINATE (KM)

UTM HORIZONTAL COORDINATE (KM) is the horizontal (easting) coordinate for the UTM measurement of the plant. It is edit verified to ensure it falls within the parameters of the UTM zone.

Attributes: 4 digit code
Not required, unless UTM VERTICAL Coordinate is supplied.

Coding Instructions:

Online: Screen 300

In the 'UTM HORIZONTAL COORDINATE (KM)' field found on the General Plant Information screen, enter a 4 digit value for **UTM HORIZONTAL COORDINATE (KM)**. Valid values are available through AFS Utility Menu Selection Option 11 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 10, Sequence #6

In columns 20-23, enter a 4 digit value for **UTM HORIZONTAL COORDINATE (KM)**. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM HORIZONTAL COORDINATE must be numeric and is required when UTM VERTICAL is entered.

UTM HORIZONTAL COORDINATE MUST EXIST ON TABLE-UTM.

UTM HORIZONTAL COORDINATE must exist on the UTM Table.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM HORIZONTAL COORDINATE must be numeric and is required when UTM VERTICAL is entered.

TRANSACTION ERROR - UTM HORIZONTAL COORDINATE MUST EXIST ON TABLE-UTM.

UTM HORIZONTAL COORDINATE must exist on the UTM Table.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning error message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

4.3.30 **UTM VERTICAL COORDINATE (KM)**

UTM VERTICAL COORDINATE is the vertical (northing) coordinate for the UTM measurement of the plant. It is edit verified to ensure it falls within the parameters of the UTM zone.

Attributes: 5 digit code
 Not required, unless UTM HORIZONTAL Coordinate is supplied.

Coding Instructions:

Online: Screen 300

In the 'UTM VERTICAL COORDINATE (KM)' field found on the General Plant Information screen, enter a 5 digit value for **UTM VERTICAL COORDINATE (KM)**. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 10, Sequence #6

In columns 24-28, enter a 5 digit value for **UTM VERTICAL COORDINATE (KM)**. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM VERTICAL COORDINATE must be numeric and is required when UTM HORIZONTAL is entered.

UTM VERTICAL COORDINATE MUST EXIST ON TABLE-UTM.

UTM VERTICAL COORDINATE must exist on the UTM Table.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning message is issued if LATITUDE/LONGITUDE computed from **UTM VERTICAL COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM VERTICAL COORDINATE must be numeric and is required when UTM HORIZONTAL is entered.

TRANSACTION ERROR - UTM VERTICAL COORDINATE MUST EXIST ON TABLE-UTM.

UTM VERTICAL COORDINATE must exist on the UTM Table.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning message is issued if LATITUDE/LONGITUDE computed from **UTM VERTICAL COORDINATE** does not exist on the FIPS Area Table for the county.

4.3.31 **LATITUDE COORDINATE (DDMMSS)**

LATITUDE COORDINATE (DDMMSS) is the latitude coordinate used to define the location of a plant.

Attributes: 6 digit code
Not required, unless LONGITUDE Coordinate is supplied.

Coding Instructions:

Online: Screen 300

In the 'LATITUDE COORDINATE (DDMMSS)' field found on the General Plant Information screen, enter a valid 6 digit value for **LATITUDE COORDINATE (DDMMSS)**.

Batch: Transaction type 10, Sequence #6

In columns 29-34, enter a valid 6 digit value for **LATITUDE COORDINATE (DDMMSS)**. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

LATITUDE MUST BE NUMERIC - FORMAT 99:99:99

LATITUDE COORDINATE must be numeric.

LATITUDE COORDINATE MUST BE ENTERED WITH LONGITUDE COORDINATE.

Both latitude and longitude must be filled.

INVALID LATITUDE COORDINATE

The **LATITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table.

WARNING: LATITUDE NOT WITHIN THE RANGE FOR THE COUNTY

A warning message is issued if the **LATITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

LATITUDE COORDINATE MUST BE ENTERED WITH LONGITUDE COORDINATE.

Both latitude and longitude must be filled.

INVALID LATITUDE COORDINATE

The **LATITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table.

LATITUDE MUST BE NUMERIC - FORMAT DDMMSS,
WHERE DD=DEGREES, MM=MINUTES, SS=SECONDS.

LATITUDE COORDINATE must be numeric.

WARNING: LATITUDE NOT WITHIN THE RANGE FOR THE COUNTY

A warning message is issued if the **LATITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

4.3.32 **LONGITUDE COORDINATE (DDMMSS)**

LONGITUDE COORDINATE (DDMMSS) longitude coordinate used to define the location of a plant.

Attributes: 7 digit code
Not required, unless LATITUDE Coordinate is supplied.

Coding Instructions:

Online: Screen 300

In the 'LONGITUDE COORDINATE (DDMMSS)' field found on the General Plant Information screen, enter a valid 7 digit value for **LONGITUDE COORDINATE (DDMMSS)**.

Batch: Transaction type 10, Sequence #6

In columns 35-41, enter a valid 7 digit value for **LONGITUDE COORDINATE (DDMMSS)**. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

LONGITUDE MUST BE NUMERIC - FORMAT 999:99:99

LONGITUDE COORDINATE must be numeric.

LONGITUDE COORDINATE MUST BE ENTERED WITH LATITUDE COORDINATE.

Both latitude and longitude must be filled.

INVALID LONGITUDE COORDINATE

The **LONGITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table

WARNING: LONGITUDE NOT WITHIN THE RANGE FOR THE COUNTY

A warning message is issued if the **LONGITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

LONGITUDE COORDINATE MUST BE ENTERED WITH LATITUDE COORDINATE.

Both latitude and longitude must be filled.

INVALID LONGITUDE COORDINATE

The **LONGITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table

WARNING: LONGITUDE NOT WITHIN THE RANGE FOR THE COUNTY

A warning message is issued if the **LONGITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

LONGITUDE MUST BE NUMERIC - FORMAT DDDMMSS,
WHERE DDD=DEGREES, MM=MINUTES, SS=SECONDS.

LONGITUDE COORDINATE must be numeric.

4.3.33 SIP PROGRAM

SIP PROGRAM is an EPA Emissions Inventory Program that defines the pollutants to be addressed for a SIP call. In years with SIP reporting requirements, as defined in the Geo-Common Status Area Table, the population of one or more SIP PROGRAM fields in conjunction with a non-attainment STATUS AREA(S) identifies the facility as included in a SIP inventory. Emissions data for facilities included in a SIP inventory are not public until the SIP inventory has EPA Headquarters Approval.

Attributes: 5 character code
Not required unless STATUS AREA supplied.

Coding Instructions:

Online: Screen 300

In any of the 5 'SIP PROGRAM' fields found on the General Plant Information screen, enter up to 5 characters identifying the **SIP PROGRAM** addressed from the list below.

Batch: Transaction type 10, Sequence #9

Five groupings are reserved. Beginning with the leftmost group, use columns 16-20, 26-30, 36-40, 46-50, 56-60 to enter up to 5 characters identifying the **SIP PROGRAM** from the list below. The five groupings are replaced in their entirety with the values on an incoming transaction.

Valid values:

CO	- Carbon Monoxide
OZONE	- Ozone

Online Error Messages:

SIP PROGRAM IS REQUIRED.

The user has entered a **STATUS AREA** but no program.

INVALID SIP PROGRAM.

The **SIP PROGRAM** is not a valid SIP program, as listed in the GCS Program table.

STATUS AREA CANNOT BE GENERATED, SEE SIP INV UTILITY RADIUS PLANT.

The facility is not in a county identified as non-attainment, and is not identified as a radius plant. If the facility is a radius plant, it must be identified as such by adding a SIP INVENTORY record, using the proper utility.

CANNOT HAVE DUPLICATE SIP PROGRAMS FOR NON-ATTAINMENT AREAS.

The user has entered/generated duplicate programs for non-attainment areas.

PLANT IS ALREADY RADIUS ON INVENTORY FILE, DO NOT ENTER PGM/AREA.

The plant is already identified as a radius plant on the Inventory file. The plant general file **SIP PROGRAM** elements are for facilities that are physically within a non-attainment area, not radius plants.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SIP PROGRAM.

The **SIP PROGRAM** is not a valid SIP program, as listed in the GCS Program table.

TRANSACTION ERROR - STATUS AREA CANNOT BE GENERATED, SEE SIP INV UTILITY RADIUS PLANT.

The facility is not in a county identified as non-attainment, and is not identified as a radius plant. If the facility is a radius plant, it must be identified as such by adding a SIP INVENTORY record, using the proper utility.

TRANSACTION ERROR - CANNOT HAVE DUPLICATE SIP PROGRAMS FOR NON-ATTAINMENT AREAS.

The user has entered/generated duplicate programs for non-attainment areas.

TRANSACTION ERROR - PLANT IS ALREADY RADIUS ON INVENTORY FILE, DO NOT ENTER PGM/AREA.

The plant is already identified as a radius plant on the Inventory file. The plant general file **SIP PROGRAM** elements are for facilities that are physically within a non-attainment area, not radius plants.

4.3.34 STATUS AREA

STATUS AREA is a five position code defined by EPA which groups counties together into one area which may or may not be in attainment for the pollutant and year associated with the area. Non-attainment, Attainment and Modeling **STATUS AREAS** may be defined.

Attributes: 5 character code

Required if SIP PROGRAM supplied. The value may be user supplied or system generated when one **STATUS AREA** exists for the identified SIP PROGRAM and geography.

Coding Instructions:

Online: Screen 300

In the 'STATUS AREA' field(s) corresponding to populated **SIP PROGRAM** field(s), found on the General Plant Information screen, enter the 5 character **STATUS AREA** for the non-attainment, attainment or modeling area in which the facility resides. Up to 5 **PROGRAM/STATUS AREAS** may be identified.

Batch: Transaction type 10, Sequence #9

Five groupings are reserved. Beginning with the leftmost group, populate the columns (21-25, 31-35, 41-45, 51-55, or 61-65) immediately to the right of the **SIP PROGRAM** columns to which they correspond. The five groupings are replaced in their entirety with the values on an incoming transaction.

Online Error Messages:

INVALID STATUS AREA CODE.

The **STATUS AREA** which the user has supplied, is not located on the GEO-STATUS-AREA-XREF table.

STATUS AREA IS REQUIRED.

AFS was unable to generate a status area for one of the following reasons:

There are multiple status areas for a county and no city value was available to uniquely identify one status area;

Or, there are multiple status areas for a county, and the user has already supplied a city code which does not match city codes found on the GEO-STATUS-AREA-XREF table;

Or, there are no status areas for the county in which a plant is located.

MUST HAVE SIP UPDATE ACCESS TO MODIFY NON-ATTAINMENT STATUS AREA.

The user must have SIP update access in their security profile to change or delete a non-attainment status area.

SIP PROGRAM IS REQUIRED.

A **STATUS AREA** was entered without a corresponding **SIP PROGRAM** value.

CANNOT HAVE DUPLICATE STATUS AREAS.

The user has entered/generated duplicate status areas for the same SIP program.

PLANT IS ALREADY RADIUS ON INVENTORY FILE, DO NOT ENTER PGM/AREA.

The plant is already identified as a radius plant on the SIP Inventory file. The plant general file **SIP PROGRAM** elements are for facilities that are physically within a non-attainment area, not radius plants.

INVENTORY IS FROZEN NO NEW FACILITIES MAY BE ADDED. PREVIOUS VALUES FOR SIP PROGRAMS / STATUS AREAS WILL BE RETAINED (This error message appears in a window)

A **SIP PROGRAM** and non-attainment **STATUS AREA** were entered for a SIP Inventory that is being reviewed or has been approved by EPA headquarters, as indicated on the SIP Inventory file. Facilities may not be added to the SIP inventory while the inventory is in the review process.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATUS AREA CODE.

The **STATUS AREA** which the user has supplied, is not located on the GEO-STATUS-AREA-XREF table.

TRANSACTION ERROR - STATUS AREA IS REQUIRED.

AFS was unable to generate a status area for one of the following reasons:

There are multiple status areas for a county and no city valued was available to uniquely identify one status area;

Or, there are multiple status areas for a county, and the user has already supplied a city code which does not match city codes found on the GEO-STATUS-AREA-XREF table;

Or, there are no status areas for the county in which a plant is located. In this case, the user must identify the plant as a radius plant on the inventory file.

TRANSACTION ERROR - MUST HAVE SIP UPDATE ACCESS TO MODIFY NON-ATTAINMENT STATUS AREAS.

The user must have SIP update access in their security profile to change or delete a non-attainment status area.

TRANSACTION ERROR - SIP PROGRAM IS REQUIRED.

A **STATUS AREA** was entered without a corresponding **SIP PROGRAM** value.

TRANSACTION ERROR - CANNOT HAVE DUPLICATE STATUS AREAS.

The user has entered/generated duplicate status areas for the same SIP program.

TRANSACTION ERROR - PLANT IS ALREADY RADIUS ON INVENTORY FILE, DO NOT ENTER PGM/AREA.

The plant is already identified as a radius plant on the SIP Inventory file. The plant general file **SIP PROGRAM** elements are for facilities that are physically within a non-attainment area, not radius plants.

TRANSACTION ERROR - INVENTORY IS FROZEN. NO NEW PLANTS MAY BE ADDED OR DELETED

A **SIP PROGRAM** and non-attainment **STATUS AREA** were entered for a SIP Inventory that is being reviewed or has been approved by EPA headquarters, as indicated on the SIP inventory file. Facilities may not be added to the SIP inventory while the inventory is in the review process.

4.3.35 **CONTACT PERSON-EMISSIONS**

CONTACT PERSON-EMISSIONS is the name of the person who is knowledgeable about emissions information for the facility.

Attributes: 20 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'CONTACT PERSON-EMISSIONS' field found on the General Plant Information screen, enter up to 20 characters for **CONTACT PERSON-EMISSIONS**.

Batch: Transaction type 10, Sequence #6

In columns 42-61, enter up to 20 characters for **CONTACT PERSON-EMISSIONS**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.36 **TELEPHONE NUMBER**

TELEPHONE NUMBER is the telephone number for the emissions contact person at a plant.

Attributes: 10 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'TELEPHONE NUMBER' field found on the General Plant Information screen, enter a 10 digit value for **TELEPHONE NUMBER**.

Batch: Transaction type 10, Sequence #6

In columns 62-71, enter a 10 digit value for **TELEPHONE NUMBER**.

Online Error Messages:

TELEPHONE NUMBER MUST BE NUMERIC - FORMAT (999) 999 - 9999.

TELEPHONE NUMBER must be a numeric value and completely filled in.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - TELEPHONE NUMBER MUST BE NUMERIC - FORMAT (999) 999 - 9999.

TELEPHONE NUMBER must be a numeric value and completely filled in.

4.3.37 NUMBER OF EMPLOYEES

NUMBER OF EMPLOYEES is the number of persons employed at a plant.

Attributes: 5 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'NUMBER OF EMPLOYEES' field found on the General Plant Information screen, enter 1 - 99999 for **NUMBER OF EMPLOYEES**.

Batch: Transaction type 10, Sequence #7

In columns 16-20, enter 1 - 99999 for **NUMBER OF EMPLOYEES**.

Online Error Messages:

NUMBER OF EMPLOYEES MUST BE NUMERIC.

NUMBER OF EMPLOYEES must be a numeric value from 1-99999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - NUMBER OF EMPLOYEES MUST BE NUMERIC.

NUMBER OF EMPLOYEES must be a numeric value from 1-99999.

4.3.38 **USER PLANT ID**

USER PLANT ID is a user-defined field that is used to maintain a local agency or other non-EPA plant ID.

Attributes: 12 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'USER PLANT ID' field found on the General Plant Information screen, enter up to 12 characters for **USER PLANT ID**.

Batch: Transaction type 10, Sequence #7

In columns 21-32, enter up to 12 characters for **USER PLANT ID**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.39 **PROPERTY AREA (ACRES)**

PROPERTY AREA (ACRES) is the area, to the nearest tenth of an acre, of the land occupied by a plant.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'PROPERTY AREA (ACRES)' field found on the General Plant Information screen, enter 0 - 99999.9 for **PROPERTY AREA (ACRES)**.

Batch: Transaction type 10, Sequence #7

In columns 33-38, enter 0 - 99999.9 for **PROPERTY AREA (ACRES)**.

Online Error Messages:

PROPERTY AREA MUST BE NUMERIC.

PROPERTY AREA must be a numeric value from 0-99999.9.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PROPERTY AREA MUST BE NUMERIC.

PROPERTY AREA must be a numeric value from 0-99999.9.

4.3.40 **EMERGENCY CONTROL PLAN**

EMERGENCY CONTROL PLAN indicates the status of the emergency control action program (ECAP) for a plant.

Attributes: 1 digit code
 Not required

Coding Instructions:

Online: Screen 300

In the 'EMERGENCY CONTROL PLAN' field found on the General Plant Information screen, enter a valid value for **EMERGENCY CONTROL PLAN** from the list below.

Batch: Transaction type 10, Sequence #7

In column 39, enter a valid value for **EMERGENCY CONTROL PLAN** from the list below.

- 0 - ECAP not required
- 1 - ECAP required
- 2 - ECAP submitted
- 3 - unknown status (default)

Online Error Messages:

INVALID EMERGENCY CONTROL PLAN.

EMERGENCY CONTROL PLAN must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EMERGENCY CONTROL PLAN.

EMERGENCY CONTROL PLAN must be from the list above.

4.3.41 **PRINCIPAL PRODUCT**

PRINCIPAL PRODUCT is the principal product produced by a plant.

Attributes: 25 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'PRINCIPAL PRODUCT' field found on the General Plant Information screen, enter up to 25 characters for **PRINCIPAL PRODUCT**.

Batch: Transaction type 10, Sequence #7

In columns 40-64, enter up to 25 characters for **PRINCIPAL PRODUCT**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.42 **SDE 1 (STATE DATA ELEMENT 1)**

SDE1 is an optional field used to contain state agency user-defined information relating to state emissions information.

Attributes: 3 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SDE1' field found on the General Plant Information screen, enter up to 3 characters for **SDE1**.

Batch: Transaction type 10, Sequence #7

In columns 65-67, enter up to 3 characters for **SDE1**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.43 **SDE 9 (STATE DATE ELEMENT 9)**

SDE 9 is an optional field used to contain state agency user-defined state emissions (SIP) information.

Attributes: 30 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SDE 9' field found on the General Plant Information screen, enter up to 30 characters for **SDE 9**.

Batch: Transaction type 10, Sequence #8

In columns 16-45, enter up to 30 characters for **SDE 9**.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.3.44 MACT CATEGORY

MACT CATEGORY identifies one or more similar processes that cause hazardous air pollutant emissions that are subject to a MACT determination.

Attributes: 4 character code
Not required

Coding Instructions:

Online: Screen 300

In the 'MACT CATEGORY' field found on the General Plant Information screen, enter a valid 4-character for **MACT CATEGORY**.

Batch: Transaction type 10, Sequence #8

In columns 46-49, enter 4 characters for **MACT CATEGORY**.

Online Error Messages:

PLEASE ENTER A VALID MACT CATEGORY / SUB CATEGORY.

MACT CATEGORY must exist on the Geo-Common MACT Category file.

MACT CATEGORY IS REQUIRED.

For a single input line, **MACT CATEGORY** is blank when SUB CATEGORY, SECTION 112 INDICATOR and/or DATE DETERMINATION COMPLETED are entered.

CANNOT HAVE DUPLICATE MACT DETERMINATION DATA.

A duplicate line of **MACT CATEGORY**, SUB CATEGORY, SECTION 112 INDICATOR, and DATE DETERMINATION COMPLETED are entered.

Batch Transaction Report Error Messages:

NO MORE MACT DETERMINATION DATA CAN BE ENTERED.

MACT CATEGORY, SUB CATEGORY, SECTION 112 INDICATOR & DATE DETERMINATION COMPLETED are submitted and do not exist on the Plant General record being updated. The record already contains the maximum number of occurrences of MACT Determination data.

4.3.45 **SUB CATEGORY**

SUB CATEGORY identifies one or more similar processes that cause hazardous air pollutant emissions that are subject to a MACT determination. A **SUB CATEGORY** is related to a specific MACT CATEGORY.

Attributes: 4 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SUB CATEGORY' field found on the General Plant Information screen, enter a valid 4-character **SUB CATEGORY** for the MACT CATEGORY entered.

Batch: Transaction type 10, Sequence #8

In columns 50-53, enter 4 characters for **SUB CATEGORY**.

Online Error Messages:

PLEASE ENTER A VALID MACT CATEGORY / SUB CATEGORY.

SUB CATEGORY (for the MACT CATEGORY entered) must exist on the Geo-Common MACT Category file.

CANNOT HAVE DUPLICATE MACT DETERMINATION DATA.

A duplicate line of MACT CATEGORY, **SUB CATEGORY**, SECTION 112 INDICATOR, and DATE DETERMINATION COMPLETED are entered.

Batch Transaction Report Error Messages:

CANNOT SUBMIT AN ASTERISK (**) TO DELETE A SUB CATEGORY FROM A LINE OF MACT DETERMINATION DATA. INSTEAD, SUBMIT AN ASTERISK IN DATE-DETERMINATION-IS-COMPLETED TO DELETE THE WHOLE LINE AND RESUBMIT THE LINE WITH A BLANK SUB CATEGORY.

An asterisk (**) is submitted for **SUB CATEGORY**.

NO MORE MACT DETERMINATION DATA CAN BE ENTERED.

MACT CATEGORY, **SUB CATEGORY**, SECTION 112 INDICATOR and DATE DETERMINATION COMPLETED are submitted and do not exist on the Plant General record being updated. The record already contains the maximum number of occurrences of MACT Determination data.

4.3.46 **SECTION 112 INDICATOR**

SECTION 112 INDICATOR is the subsection of Section 112 of the clean air act that triggered a case-by-case MACT determination.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 300

In the 'SECTION 112 INDICATOR' field found on the General Plant Information screen, enter 1 character for **SECTION 112 INDICATOR**.

Batch: Transaction type 10, Sequence #8

In column 54, enter 1 character for **SECTION 112 INDICATOR**.

Online Error Messages:

PLEASE ENTER A VALID SECTION 112 INDICATOR.

SECTION 112 INDICATOR must exist on the Geo-Common Description file.

SECTION 112 INDICATOR IS REQUIRED.

For a single input line, **SECTION 112 INDICATOR** is blank when MACT CATEGORY is entered.

CANNOT HAVE DUPLICATE MACT DETERMINATION DATA.

A duplicate line of MACT CATEGORY, SUB CATEGORY, **SECTION 112 INDICATOR**, and DATE DETERMINATION COMPLETED are entered.

Batch Transaction Report Error Messages:

NO MORE MACT DETERMINATION DATA CAN BE ENTERED.

MACT CATEGORY, SUB CATEGORY, **SECTION 112 INDICATOR** and DATE DETERMINATION COMPLETED are submitted and do not exist on the Plant General record being updated. The record already contains the maximum number of occurrences of MACT Determination data.

4.3.47 DATE DETERMINATION COMPLETED

DATE DETERMINATION COMPLETED is the date on which a MACT determination for a facility was completed.

Attributes: 8 digit date format (YYYYMMDD)
 Not required

Coding Instructions:

Online: Screen 300

In the 'DATE DETERMINATION COMPLETED' field found on the General Plant Information screen, enter 8 digit date format (YYYYMMDD) for **DATE DETERMINATION COMPLETED**.

Batch: Transaction type 10, Sequence #8

In columns 55-62, enter 8 digit date format (YYYYMMDD) for **DATE DETERMINATION COMPLETED**.

Online Error Messages:

INVALID DATE DETERMINATION COMPLETED - USE FORMAT YYYYMMDD.

DATE DETERMINATION COMPLETED must be in YYYYMMDD format.

YEAR MUST BE BETWEEN 1900 AND 2100.

DATE DETERMINATION COMPLETED must contain a year between 1900 and 2100.

DATE DETERMINATION COMPLETED IS REQUIRED.

For a single input line, **DATE DETERMINATION COMPLETED** is blank when MACT CATEGORY and SECTION 112 INDICATOR are entered.

Batch Transaction Report Error Messages:

NO MORE MACT DETERMINATION DATA CAN BE ENTERED.

MACT CATEGORY, SUB CATEGORY, SECTION 112 INDICATOR and **DATE DETERMINATION COMPLETED** are submitted and do not exist on the Plant General record being updated. The record already contains the maximum number of occurrences of MACT Determination data.

4.3.48 PLANT EPA IDENTIFICATION

PLANT EPA IDENTIFICATION is a twelve character EPA-wide Facility Identification number which identifies a plant. The EPA ID numbers are established centrally by EPA and will identify the same facility in all of the different media databases the EPA uses. This ID has been referred to in the past by various names, including the FINDS ID, the Key ID, and the Facility Linkage Application (FLA) number.

Attributes: 12 character code (A12)
 Not required

Coding Instructions:

Online: Screen 300

In the 'EPA ID' field found on the General Plant Information screen, enter a 12 character EPA ID. This field can be modified by users who hold the special access code of 'R', otherwise the field is displayed as a read-only field. If the field is currently populated, it is modified by typing the EPA ID in this field, over-writing the existing one.

Batch: Not available

The only update access in batch mode is the SYSOPS Populate EPA IDs utility (AFP242).

Online Error Messages:

UPDATE ACCESS DENIED - EPA ID ALREADY IN USE.

Update Access not validated for reassigning an existing **EPA ID** from one facility to another.

4.3.49 NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) is a six-character code classifying the main product produced or service performed at the plant.

Attributes: 6 character (alphanumeric) code
Either a NAICS code or a primary SIC code is required; both codes can be entered.

Coding Instructions:

Online: Screen 300

In the 'NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)' field on the General Plant Information screen, enter a valid **NAICS CODE** from the NAICS Table. This table is available online through the AFS Utility Selection Menu option 11, or by placing "?" in the first characters of the NAICS code field.

Batch: Transaction type 10, Sequence #4

In columns 57-62, enter a valid **NAICS CODE** from the NAICS Table. This table is available online through the AFS Utility Selection Menu.

Online Error Messages:

INVALID NAICS CODE

NAICS CODE must be on the valid NAICS table.

PRIMARY SIC CODE OR NAICS CODE IS REQUIRED

Either a **PRIMARY INDUSTRIAL(SIC) CODE** or a **NAICS CODE** must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID NAICS CODE

NAICS CODE must be on the valid NAICS table.

TRANSACTION ERROR - PRIMARY SIC CODE OR NAICS CODE IS REQUIRED

Either a **PRIMARY INDUSTRIAL(SIC) CODE** or a **NAICS CODE** must be entered .

4.4 Update AFS Plant Pollutant

The AFS Plant Pollutant record is used for the tracking of plant level emissions values for as many as four different emissions types.

Common Data Field

The common data field for all AFS Plant Pollutant online and batch transactions is **POLLUTANT CODE**.

4.4.1 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant level for compliance and measured against air quality criteria designated by the air program. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 301

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 11, Sequence #1

In columns 14-22, enter a valid value for **POLLUTANT CODE** found on the Geocommon Parameter Table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must exist on the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must exist on the Geocommon Parameter Table.

4.4.2 CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 301

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table. Valid values are available through the Geocommon browse utilities, or by placing "?" in the first character of the online data field.

Batch: Transaction type 11, Sequence #1

In columns 14-22, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS REQUIRED
BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT
CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter
Table.

4.4.3 EMISSIONS TYPE

EMISSIONS TYPE describes the type of emissions being tracked at a facility.

Attributes: 4 character code
Required

Coding Instructions:

Online: Screen 301

In the column under the heading **EMISSIONS TYPE** enter a valid 4 character value selected from the list below.

Batch: Transaction type 11, Sequence #1

In columns 23-26, enter a valid 4 character value for **EMISSIONS TYPE INDICATOR** selected from the list below.

ALLW - Allowable
POTC - Potential Controlled
POTU - Potential Uncontrolled
ACTU - Actual Uncontrolled

Definitions:

ALLOWABLE EMISSIONS -

The maximum emissions for a pollutant that the plant is legally allowed to discharge into the atmosphere.

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

ACTUAL UNCONTROLLED -

The annual "actual" emissions which have been estimated or calculated for a plant in the state approved emissions inventory, added to those annual emissions that have been removed by the application of a control factor.

Online Error Messages:

TRANSACTION ERROR - INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above.

4.4.4 EMISSIONS

The emissions value for a plant (used in conjunction with the **DECIMAL POSITION**.)

Attributes: 7 digits (batch); 8 digits including a decimal point (online)
Required for each **EMISSION TYPE** specified.

Coding Instructions:

Online: Screen 301
In the 'EMISSIONS VALUE' column found on the Plant Pollutant Information screen, enter 0 - 9999999 for **EMISSIONS**. Enter the decimal character '.' in the appropriate position in the emissions value.

Batch: Transaction type 11, Sequence #1
In columns 27-33, enter 0 - 9999999 for **EMISSIONS**.

Online Error Messages:

XXXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.
(Where XXXXXXXXXXXXXXXXXXXX is the emissions type. This may be a descriptive text, such as 'ALLOWABLE', or a type code, such as 'ALLW'.
All emissions must be entered as a numeric.

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)
Emission values may contain only one decimal point.

INVALID XXXX EMISSIONS - MUST BE BETWEEN 0 - 9999999.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

The minimum emissions value is 0 and the maximum is 9999999

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMISSIONS MUST BE NUMERIC.
(The **EMISSIONS TYPE** the emissions value relates to will also be identified.)

EMISSIONS must be a numeric value.

4.4.5 DECIMAL POSITION

DECIMAL POSITION identifies the location of the decimal point in an emissions value by indicating how many places are to the right of the decimal.

Attributes: 1 digit
Required for each **EMISSION TYPE** specified in batch.

Coding Instructions:

Online: Screen 301

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 11, Sequence #1

In column 34, enter a value for **DECIMAL POSITION** between 0-7.

Online Error Messages:

INVALID EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

Emission values may contain only one decimal point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DECIMAL POSITION MUST BE NUMERIC BETWEEN 0 AND 7.
(The **EMISSIONS TYPE** the decimal value relates to will also be identified.)

DECIMAL POSITION must be a numeric value from 0-7.

4.4.6 UNITS

UNITS is a two-character code identifying the units associated with an emissions value. This is typically a weight/time identifier.

Attributes: 2 character code
Required for each **EMISSION TYPE** specified.

Coding Instructions:

Enter the **UNITS** according to the emissions type associated with the facility.

Online: Screen 301

In the 'UNITS' field found on the Plant Pollutant Information screen, enter a valid 2 character value for **UNITS** from the list below.

Batch: Transaction type 11, Sequence #1

In column 35-36, enter a valid 2 character value for **UNITS** from the list below.

ALLOWABLE EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DRY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS
08 - POUNDS PER TON OF FEED MATERIAL

- 09 - POUNDS PER TON OF PRODUCT
- 10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
- 11 - POUNDS PER MEGAWATT-HOUR
- 12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
- 13 - PERCENT REDUCTION IN EMISSIONS
- 14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
- 15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
- 16 - MILLIGRAMS PER LITER OF LIQUID LOADED
- 17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
- 18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

POTENTIAL CONTROLLED and UNCONTROLLED EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR

ACTUAL UNCONTROLLED EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR

Online Error Messages:

INVALID UNITS.

(The **EMISSIONS TYPE** the units value relates to will also be identified.)

UNITS must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID UNITS.

(The **EMISSIONS TYPE** the units value relates to will also be identified.)

UNITS must be from list above.

4.4.7 METHOD CODE

METHOD CODE is a one-character code identifying the emissions quantification method used to determine emissions.

Attributes: 1 character code
Not required at plant level, with the exception of Actual (ACTU.)

Coding Instructions:

Online: Screen 301

In the column provided labeled 'METHOD CODE' found on the Plant Pollutant Information screen, enter a valid value for **METHOD CODE** from the list below.

Batch: Transaction type 11, Sequence #11

in column 37, enter a valid value for **METHOD CODE** from the list below.

If **EMISSIONS TYPE** is Actual Uncontrolled (ACTU):

- 1 - EMISSIONS COMPUTER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.

WHEN CALCULATED BY AFS, PLANT ACTUAL UNCONTROLLED EMISSIONS ARE AN AGGREGATION OF THE FOLLOWING SEGMENT CALCULATION:

ESTIMATED EMISSIONS - $[(\text{SEGMENT POLLUTANT CONTROL EQUIPMENT EFFICIENCY} \times 0.01) \times \text{ESTIMATED EMISSIONS}]$
- 2 - EMISSIONS USER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 3 - EMISSIONS ESTIMATED BECAUSE NO EMISSIONS DATA AVAILABLE.

Online Error Messages:

INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

METHOD CODE must be from the list above.

METHOD CODE MUST BE BLANK FOR XXXX EMISSIONS TYPE
(Where XXXX is the emissions type which was assigned a method code.)

The emissions type specified does not allow a **METHOD CODE** at the plant level.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

METHOD CODE must be from the list above.

TRANSACTION ERROR - METHOD CODE MUST BE BLANK FOR XXXX EMISSIONS TYPE
(Where XXXX is the emissions type which was assigned a method code.)

The emissions type specified does not allow a **METHOD CODE** at the plant level.

4.5 Update AFS Plant Air Program

The AFS Plant Air Program record supports the tracking of compliance data for the plant as it pertains to various regulatory air programs. This record also contains values for State/EPA plant classification and compliance that "bubble-up" from worst-case values input on the Plant Pollutant Air Program record. At least one Plant Air Program record is required to add a compliance facility to AFS.

Common Data Field

The data field **AIR PROGRAM CODE** serves as the common data element to associate all AFS Plant Air Program fields and therefore must be referenced in all online and batch update transactions. Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Consequently, this field is required when entering compliance information and serves as a common field to identify other data elements which describe the same air program.

4.5.1 AIR PROGRAM CODE

AIR PROGRAM CODE is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 302

In the 'AIR PROGRAM CODE' field found on the Plant Air Information screen, enter a valid value representing an AIR PROGRAM CODE from the table below.

Batch: Transaction type 12, Sequence #1

In column 14, enter a valid value representing an AIR PROGRAM CODE from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID
PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE
AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

- NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.
- NESHAP - National Emission Standards for Hazardous Air Pollutants - A set of EPA requirements specifically for hazardous air pollutants.
- NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be from the list above.

AIR PROGRAM CODE REQUIRED

AIR PROGRAM CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be from the list above.

TRANSACTION ERROR - AIR PROGRAM CODE REQUIRED

AIR PROGRAM CODE must be entered.

4.5.2 AIR PROGRAM STATUS

AIR PROGRAM STATUS represents the operational condition of a plant relative to a given air program.

Attributes: 1 character code
Required

Coding Instructions:

Select from the list of valid general descriptions below best describing the operational status of the facility according to the current emission conditions.

Online: Screen 302

In the 'AIR PROGRAM STATUS' field found on the Plant Air Information screen, enter a valid 1 character value for **AIR PROGRAM STATUS** from the list below.

Batch: Transaction type 12, Sequence #1

In column 15, enter a valid 1 character value for **AIR PROGRAM STATUS** from the list below.

O - OPERATING
P - PLANNED (HAS APPLIED FOR A CONSTRUCTION PERMIT)
C - UNDER CONSTRUCTION
T - TEMPORARILY CLOSED
X - PERMANENTLY CLOSED
I - SEASONAL
D - NESHAP DEMOLITION
R - NESHAP RENOVATION
S - NESHAP SPRAYING

Definitions:

NESHAP - National Emission Standards for Hazardous Air Pollutants - A set of EPA requirements specifically for hazardous air pollutants.

- DEMOLITION - wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility which presents a safety or public health hazard.
- RENOVATION - altering a facility or one or more facility components in any way, including the stripping or removal of a hazardous pollutant from a facility component.

Online Error Messages:

INVALID AIR PROGRAM STATUS.

AIR PROGRAM STATUS must be from the list above.

AIR PROGRAM STATUS REQUIRED.

AIR PROGRAM STATUS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM STATUS.

AIR PROGRAM STATUS must be from the list above.

TRANSACTION ERROR - AIR PROGRAM STATUS REQUIRED.

AIR PROGRAM STATUS must be entered.

4.5.3 STATE IMPLEMENTATION PLAN

STATE IMPLEMENTATION PLAN is a one-character code identifying the type of enforcement schedule imposed on a plant or its points, when either is not meeting enforceable SIP emission limits.

Attributes: 1 character code
Not required

Coding Instructions:

Select the type of administrative order (if one currently exists) which mandates the general compliance schedule for a facility which is not meeting State Implementation Plan (SIP) emission limits.

Online: Screen 302

In the 'STATE IMPLEMENTATION PLAN' field found on the Plant Air Information screen, enter a valid value for **STATE IMPLEMENTATION PLAN** from the list below.

Batch: Transaction type 12, Sequence #1

In column 16, enter a valid value for **STATE IMPLEMENTATION PLAN** from the list below.

BLANK - NO SCHEDULE

- 0 - SCHEDULE STATUS UNKNOWN
- 1 - FEDERAL DCO
- 2 - FEDERAL SIP SCHEDULE
- 3 - FEDERAL COURT ORDER - NONCONSENT
- 4 - FEDERAL CONSENT DECREE
- 5 - FEDERAL SCHEDULE BEING DEVELOPED
- 6 - NON-FEDERAL SCHEDULE (ST DCO)
- 7 - NON-FEDERAL SCHEDULE BEING DEVELOPED
- 8 - FEDERAL ADMINISTRATION ORDER - NON DCO
- 9 - SUBJECT TO OFFSET

Definitions:

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

COMPLIANCE SCHEDULE -

A legally enforceable schedule specifying a date or dates by which a source must comply with specific emission standards contained in a plan or with any increments of progress to achieve such compliance.

DCO -

Delayed Compliance Order - Delayed schedules of compliance were issued historically but are no longer considered a legal administrative order under the current Clean Air Act (CAA).

Online Error Messages:

INVALID STATE IMPLEMENTATION PLAN.

STATE IMPLEMENTATION PLAN must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE IMPLEMENTATION PLAN.

STATE IMPLEMENTATION PLAN must be from the list above.

4.5.4 EVEN YEAR OF INSPECTION FREQUENCY

EVEN YEAR OF INSPECTION FREQUENCY is the year number for the Even-Year Inspection Frequency data.

Attributes: 2 digit numeric
Not required unless other Even Year inspection fields are filled in (Even Year Inspection Strategy and Even Inspection Frequency). If the current year is an even year, open for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Even Year of Inspection Frequency' field found on the Plant Air Program screen, enter an even number not greater than the current year + 1.

Batch: Transaction type 12, Sequence #1

In columns 66-67, enter an even year number not greater than the current year + 1.

Online Error Messages:

INVALID EVEN YEAR - MUST BE AN EVEN NUMBERED YEAR.

Must be an even number.

EVEN YEAR CANNOT BE GREATER THAN CURRENT YEAR + 1.

If the current year is an odd number, the **EVEN YEAR** must be the current year + 1.

INVALID EVEN YEAR - MUST BE NUMERIC YY FORMAT.

EVEN YEAR must be a numeric value 00-99.

EVEN YEAR MUST BE GREATER THAN PREVIOUS VALUE FOR EVEN YEAR.

INVALID EVEN YEAR OF INSPECTION FREQUENCY - MUST BE NUMERIC FORMAT 99.

Must be a numeric value 00-99.

Batch Transaction Report Error Messages:

ACCESS TO EVEN YEAR OF INSPECTION FREQUENCY DENIED.

If the current year is an even year, open for update during March and September; if not current year, open for update during March through September.

EVEN YEAR CANNOT BE GREATER THAN CURRENT YEAR + 1.

Enter an even number not greater than the current year + 1.

EVEN YEAR MUST BE GREATER THAN PREVIOUS VALUE FOR EVEN YEAR.

Enter an even number not greater than the current year + 1.

INVALID EVEN YEAR - MUST BE NUMERIC YY FORMAT.

Enter an even number not greater than the current year + 1.

INVALID EVEN YEAR - MUST BE AN EVEN NUMBERED YEAR.

Enter an even number not greater than the current year + 1.

4.5.5 EVEN INSPECTION FREQUENCY

EVEN INSPECTION FREQUENCY is the number of inspections to be performed for inspection frequency tracking in the year indicated by the Even Year of Inspection Frequency.

Attributes: 2 digit numeric
Not required unless other even year inspection fields are filled in (Even Inspection Strategy and Even Year of Inspection Frequency). If current year, for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Even Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

Batch: Transaction type 12, Sequence #1

In columns 69-70, enter 00-99 for Even Inspection Frequency.

Online Error Messages:

EVEN YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

All three inspection fields must be filled in.

INVALID EVEN INSPECTION FREQUENCY - MUST BE NUMERIC FORMAT 99.

Must be a numeric value 00-99.

Batch Transaction Report Error Messages:

ACCESS TO EVEN INSPECTION FREQUENCY DENIED.

If current year, for update during March and September; if not current year, open for update during March through September.

INVALID EVEN INSPECTION FREQ - MUST BE NUMERIC FORMAT 99.

In the 'Even Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

EVEN YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

In the 'Even Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

4.5.6 **EVEN INSPECTION STRATEGY**

EVEN INSPECTION STRATEGY is the reason for the inspection tracking in the Even Year's Inspection Frequency fields.

Attributes: 1 character code
Not required unless other even year inspection fields are filled in (Even Inspection Frequency and Even Year of Inspection Frequency). If current year, open for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Even Inspection Strategy' field found on the Plant Air Program screen, enter .

Batch: Transaction type 12, Sequence #1

In columns 68, enter "C" or "S" for Even Inspection Strategy.

Online Error Messages:

INVALID EVEN INSPECTION FREQUENCY STRATEGY.

Must be "C" or "S".

EVEN YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

All three inspection fields must be filled in.

Batch Transaction Report Error Messages:

ACCESS TO EVEN INSPECTION STRATEGY DENIED.

If current year, open for update during March and September; if not current year, open for update during March through September.

INVALID EVEN INSPECTION FREQUENCY STRATEGY.

Must be "C" or "S".

EVEN YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

In the 'Even Inspection Strategy' field found on the Plant Air Program screen, enter.

4.5.7 ODD YEAR OF INSPECTION FREQUENCY

ODD YEAR OF INSPECTION FREQUENCY is the year number for the Odd-Year Inspection Frequency data.

Attributes: 2 digit numeric
Not required unless other odd year inspection fields are filled in (Odd Inspection Strategy and Odd Inspection Frequency). If current year, for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Odd Year of Inspection Frequency' field found on the Plant Air Program screen, enter an odd number not greater than the current year + 1.

Batch: Transaction type 12, Sequence #1

In columns 61-62, enter an off year number no t greater than the current year + 1.

Online Error Messages:

INVALID ODD YEAR - MUST BE AN ODD NUMBERED YEAR.

Must be an odd number.

ODD YEAR CANNOT BE GREATER THAN CURRENT YEAR + 1.

If the current year is an even number, the odd year must be the current year + 1.

INVALID ODD YEAR - MUST BE NUMERIC YY FORMAT.

Odd year must be numeric value 00-99.

ODD YEAR MUST BE GREATER THAN PREVIOUS VALUE FOR ODD YEAR.

Odd year must be numeric value 00-99.

INVALID ODD YEAR OF INSPECTION FREQUENCY - MUST BE NUMERIC FORMAT 99.

Must be a numeric value 00-99.

Batch Transaction Report Error Messages:

ACCESS TO ODD YEAR OF INSPECTION FREQUENCY DENIED.

If current year, for update during March and September; if not current year, open for update during March through September.

ODD YEAR CANNOT BE GREATER THAN CURRENT YEAR + 1.

In the 'Odd Year of Inspection Frequency' field found on the Plant Air Program screen, enter an odd number not greater than the current year + 1.

ODD YEAR MUST BE GREATER THAN PREVIOUS VALUE FOR ODD YEAR.

In the 'Odd Year of Inspection Frequency' field found on the Plant Air Program screen, enter an odd number not greater than the current year + 1.

INVALID ODD YEAR - MUST BE NUMERIC YY FORMAT.

In the 'Odd Year of Inspection Frequency' field found on the Plant Air Program screen, enter an odd number not greater than the current year + 1.

INVALID ODD YEAR - MUST BE AN ODD NUMBERED YEAR.

In the 'Odd Year of Inspection Frequency' field found on the Plant Air Program screen, enter an odd number not greater than the current year + 1.

4.5.8 ODD INSPECTION FREQUENCY

ODD INSPECTION FREQUENCY is the number of inspections to be performed for inspection frequency tracking in the year indicated by the Odd Year of Inspection Frequency.

Attributes: 2 digit numeric
Not required unless other odd year inspection fields are filled in (Odd Inspection Strategy and Odd Year of Inspection Frequency). If current year, open for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Odd Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

Batch: Transaction type 12, Sequence #1

In columns 69-70, enter 00-99 for Odd Inspection Frequency.

Online Error Messages:

ODD YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

All three inspection fields must be filled in.

INVALID ODD INSPECTION FREQUENCY - MUST BE NUMERIC FORMAT 99.

Must be a numeric value 00-99.

Batch Transaction Report Error Messages:

ACCESS TO ODD INSPECTION FREQUENCY DENIED.

If current year, open for update during March and September; if not current year, open for update during March through September.

INVALID ODD INSPECTION FREQ - MUST BE NUMERIC FORMAT 99.

In the 'Odd Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

ODD YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

In the 'Odd Inspection Frequency' field found on the Plant Air Program screen, enter 00-99.

4.5.9 ODD INSPECTION STRATEGY

ODD INSPECTION STRATEGY is the reason for the inspection tracking in the Odd Year's Inspection Frequency fields.

Attributes: 1 character code
Not required unless other odd year inspection fields are filled in (Odd Year of Inspection Frequency and Odd Year Inspection Frequency). If current year, for update during March and September; if not current year, open for update during March through September.

Coding Instructions:

Online: Screen 302

In the 'Odd Inspection Strategy' field found on the Plant Air Program screen, enter .

Batch: Transaction type 12, Sequence #1

In columns 68, enter "C" or "S" for Odd Inspection Strategy.

Online Error Messages:

INVALID ODD INSPECTION FREQUENCY STRATEGY.

Must be "C" or "S".

ODD YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

All three inspection fields must be filled in.

Batch Transaction Report Error Messages:

ACCESS TO ODD INSPECTION STRATEGY DENIED.

If current year, for update during March and September; if not current year, open for update during March through September.

INVALID ODD INSPECTION FREQUENCY STRATEGY.

Must be "C" or "S".

ODD YEAR INSPECTION FREQUENCY IS ONLY PARTIALLY COMPLETED.

All three inspection fields must be filled in.

4.5.10 REGIONAL DATA ELEMENT 1

REGIONAL DATA ELEMENT 1 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE1' field found on the Plant Air Information screen, enter a 1 character value for **REGIONAL DATA ELEMENT 1**.

Batch: Transaction type 12, Sequence #1

In column 20, enter a 1 character value for **REGIONAL DATA ELEMENT 1**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.11 REGIONAL DATA ELEMENT 2

REGIONAL DATA ELEMENT 2 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE2' field found on the Plant Air Information screen, enter a 1 character value for **REGIONAL DATA ELEMENT 2**.

Batch: Transaction type 12, Sequence #1

In column 21, enter a 1 character value for **REGIONAL DATA ELEMENT 2**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.12 REGIONAL DATA ELEMENT 3

REGIONAL DATA ELEMENT 3 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE3' field found on the Plant Air Information screen, enter a 1 character value for **REGIONAL DATA ELEMENT 3**.

Batch: Transaction type 12, Sequence #1

In column 22, enter a 1 character value for **REGIONAL DATA ELEMENT 3**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.13 REGIONAL DATA ELEMENT 4

REGIONAL DATA ELEMENT 4 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 5 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE4' field found on the Plant Air Information screen, enter up to 5 characters for **REGIONAL DATA ELEMENT 4**.

Batch: Transaction type 12, Sequence #1

In column 23-27, enter up to 5 characters for **REGIONAL DATA ELEMENT 4**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.14 REGIONAL DATA ELEMENT 5

REGIONAL DATA ELEMENT 5 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 5 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE5' field found on the Plant Air Information screen, enter up to 5 characters for **REGIONAL DATA ELEMENT 5**.

Batch: Transaction type 12, Sequence #1

In column 28-32, enter up to 5 characters for **REGIONAL DATA ELEMENT 5**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.15 REGIONAL DATA ELEMENT 6

REGIONAL DATA ELEMENT 6 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 10 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE6' field found on the Plant Air Information screen, enter up to 10 characters for **REGIONAL DATA ELEMENT 6**.

Batch: Transaction type 12, Sequence #1

In column 33-42, enter up to 10 characters for **REGIONAL DATA ELEMENT 6**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.16 REGIONAL DATA ELEMENT 7

REGIONAL DATA ELEMENT 7 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE7' field found on the Plant Air Information screen, enter a 1 character value for **REGIONAL DATA ELEMENT 7**.

Batch: Transaction type 12, Sequence #1

In column 43, enter a 1 character value for **REGIONAL DATA ELEMENT 7**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.17 REGIONAL DATA ELEMENT 9

REGIONAL DATA ELEMENT 9 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 7 character code
Not required

Coding Instructions:

Online: Screen 302

In the 'RDE9' field found on the Plant Air Information screen, enter up to 7 characters for **REGIONAL DATA ELEMENT 9**.

Batch: Transaction type 12, Sequence #1

In column 44-50, enter up to 7 characters for **REGIONAL DATA ELEMENT 9**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.18 REGIONAL DATA ELEMENT 10

REGIONAL DATA ELEMENT 10 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE10' field found on the Plant Air Information screen, enter up to 2 characters for **REGIONAL DATA ELEMENT 10**.

Batch: Transaction type 12, Sequence #1

In column 51-52, enter up to 2 characters for **REGIONAL DATA ELEMENT 10**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.19 REGIONAL DATA ELEMENT 11

REGIONAL DATA ELEMENT 11 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE11' field found on the Plant Air Information screen, enter up to 2 characters for **REGIONAL DATA ELEMENT 11**.

Batch: Transaction type 12, Sequence #1

In column 53-54, enter up to 2 characters for **REGIONAL DATA ELEMENT 11**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.20 REGIONAL DATA ELEMENT 12

REGIONAL DATA ELEMENT 12 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE12' field found on the Plant Air Information screen, enter a one character value for **REGIONAL DATA ELEMENT 12**.

Batch: Transaction type 12, Sequence #1

In column 55, enter a one character value for **REGIONAL DATA ELEMENT 12**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.21 REGIONAL DATA ELEMENT 15

REGIONAL DATA ELEMENT 15 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 302

In the 'RDE15' field found on the Plant Air Information screen, enter a one character value for **REGIONAL DATA ELEMENT 15**.

Batch: Transaction type 12, Sequence #1

In column 56, enter a one character value for **REGIONAL DATA ELEMENT 15**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.5.22 STAFF CODE

STAFF CODE is a three-character code identifying:

- 1) the compliance or enforcement official assigned to monitor the compliance status of a plant, or
- 2) the staff member assigned to complete an action.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 302

In the 'STAFF CODE' field found on the Plant Air Information screen, enter a valid 3 character value for **STAFF CODE**. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 12, Sequence #1

In columns 57-59, enter a valid 3 character value for **STAFF CODE**. The **STAFF CODE** must exist on the AFS STAFF TABLE.

Online Error Messages:

INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

4.5.23 REPORTING REQUIREMENTS TO REGION

REPORTING REQUIREMENTS TO REGION is a one-character code indicating the time intervals in which a plant is required to submit additional information to a regional office.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 302

In the 'REPORTING REQUIREMENTS TO REGION' field found on the Plant Air Information screen, enter a valid value for **REPORTING REQUIREMENTS TO REGION** from the list below.

Batch: Transaction type 12, Sequence #1

In column 60, enter a valid value for **REPORTING REQUIREMENTS TO REGION** from the list below.

- 0 - NO REPORTING REQUIREMENTS
- 1 - MONTHLY
- 2 - QUARTERLY
- 3 - SEMI-ANNUALLY
- 4 - YEARLY
- 5 - BI-ANNUAL
- 6 - TRI-ANNUAL

Online Error Messages:

INVALID REPORTING REQUIREMENTS TO REGION.

REPORTING REQUIREMENTS TO REGION must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID REPORTING REQUIREMENTS TO REGION.

REPORTING REQUIREMENTS TO REGION must be from the list above.

4.5.24 SUBPARTS UPDATE INDICATOR

SUBPARTS UPDATE INDICATOR is a one-character code indicating the method chosen to update the subpart elements in batch. The Subpart update indicators and their significance are:

- R Replace all 9 subpart codes with subpart codes provided on transaction
- A Append transaction subpart codes to existing subpart codes
- P Update existing subpart codes with the subpart codes on the transaction, by overlaying the existing values that correspond to the subpart positions (1 through 9) supplied on the transaction. For example, to change the third subpart code in AFS, submit a transaction with a subpart update indicator of "P" and a new Subparts value in columns 26-30.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: The 'SUBPARTS UPDATE INDICATOR' field is **not** applicable online. The methods available for updating subpart values may be performed on the Plant Air Program subpart information screen through normal update procedures.

Batch: Transaction type 12, Sequence #2

In column 15, enter a valid value for **SUBPARTS UPDATE INDICATOR** from the list below. Method "A" is the default indicator used if left blank and a Subpart (1-9) value is supplied on the transaction.

R - REPLACE
A - APPEND
P - POSITIONALLY UPDATE

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SUBPART UPDATE INDICATOR - MUST BE "A", "R" OR "P".

SUBPARTS UPDATE INDICATOR must be one of the values stated.

TRANSACTION ERROR - SUBPART INDICATOR MUST BE "P" TO REPLACE VALUE WITH BLANK.

SUBPARTS UPDATE INDICATOR must be "P" when an '*' is used to blank out a subpart value.

TRANSACTION ERROR - SUBPART INFORMATION IS ONLY PARTIALLY COMPLETE.

SUBPARTS UPDATE INDICATOR must be accompanied by at least one subparts value.

4.5.25 **SUBPARTS 1 - 9**

SUBPARTS 1-9 are character codes indicating the subpart for Air Programs: "9" - NSPS; "8" - NESHAP; "M" - MACT NESHAP; "0" - SIP SOURCE; and "1" - SIP SOURCE UNDER FEDERAL JURISDICTION. The subpart information pertains to sections 60, 61 and 63 of the Code of Federal Regulations respectively. Up to nine subpart codes may be associated with each Plant Air Program.

Attributes: minimum 1 / maximum 5 character code
 Not required

Coding Instructions:

Online: Screen 302

Enter a Subpart value from the Geo-Common Description Table applicable to the Air Program. Valid values may be obtained using the Geo-Common Description Table retrieval function or by placing a "?" in the first character of the online data field.

Batch: Transaction type 12, Sequence #2

In columns 16-20, enter a valid value for **SUBPARTS 1**.
In columns 21-25, enter a valid value for **SUBPARTS 2**.
In columns 26-30, enter a valid value for **SUBPARTS 3**.
In columns 31-35, enter a valid value for **SUBPARTS 4**.
In columns 36-40, enter a valid value for **SUBPARTS 5**.
In columns 41-45, enter a valid value for **SUBPARTS 6**.
In columns 46-50, enter a valid value for **SUBPARTS 7**.
In columns 51-55, enter a valid value for **SUBPARTS 8**.
In columns 56-60, enter a valid value for **SUBPARTS 9**.

Online Error Messages:

INVALID SUBPART CODE.

SUBPARTS 1 - 9 must be on the Geo-Common Description Table.

THE SUBPART CODE ALREADY EXISTS.

SUBPARTS 1 - 9 must be unique for the Air Program.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SUBPART CODE.

SUBPARTS 1 - 9 must be on the Geo-Common Description Table.

TRANSACTION ERROR - THE SUBPART CODE ALREADY EXISTS.

SUBPARTS 1 - 9 must be unique for the Air Program.

TRANSACTION ERROR - CANNOT UPDATE SUBPARTS - AIR PGM CODE MUST EQUAL "8", "9", "M", "0" OR "1".

SUBPARTS 1 - 9 may only be entered for the Air Programs specified.

TRANSACTION ERROR - THE MAXIMUM NUMBER OF SUBPART CODES HAVE BEEN EXCEEDED.

A maximum of nine **SUBPARTS** may be added for a Plant Air Program.

4.6 Update AFS Plant Pollutant Air Program

The AFS Plant Pollutant Air Program record maintains data associated with specific plant level pollutants as they are measured against applicable plant air programs. At least one plant pollutant air program record is required for each regulatory plant air program maintained for an AFS compliance facility.

4.6.1 Common Data Field

The data field **AIR PROGRAM CODE** serves as the common data element to associate all AFS Plant Pollutant Air Program fields and therefore must be referenced in all online and batch update transactions. Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Consequently, this field is required when entering plant pollutant compliance information since it serves as a common field to identify other pollutants regulated under the air program.

4.6.1.1 AIR PROGRAM CODE

AIR PROGRAM CODE is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 303

In the 'AIR PROGRAM CODE' field found on the Plant Air Information screen, enter a valid value representing an AIR PROGRAM CODE from the list below.

Batch: Transaction type 13, Sequence #1

In column 14, enter a valid value representing an AIR PROGRAM CODE from the list below.

- A - ACID PRECIPITATION
- I - NATIVE AMERICAN
- 0 - SIP SOURCE
- 1 - SIP SOURCE UNDER FEDERAL JURISDICTION
- 3 - NON-FEDERALLY REPORTABLE SOURCE
- 4 - CFC TRACKING
- 6 - PSD
- 7 - NSR
- 8 - NESHAP
- 9 - NSPS

Definitions:

- ACID
PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.
- NATIVE
AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.
- SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.
- CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.
- PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

- NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.
- NESHAP - National Emission Standards for Hazardous Air Pollutants - A set of EPA requirements specifically for hazardous air pollutants.
- NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be from the list above.

AIR PROGRAM CODE REQUIRED.

AIR PROGRAM CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be from the list above.

TRANSACTION ERROR - AIR PROGRAM CODE REQUIRED.

AIR PROGRAM CODE must be entered.

4.6.2 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant level for compliance and measured against air quality criteria designated by the air program. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 5 character code
Required (or CAS #)

Coding Instructions:

Online: Screen 303

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 13, Sequence #1

In columns 15-23, enter a valid value for **POLLUTANT CODE** from the list below.

AB - ASBESTOS	AS - ARSENIC
BE - BERYLLIUM	BZ - BENZENE
CD - CADMIUM	CO - CARBON MONOXIDE
HCL - HYDROCHLORIC ACID	HF - HYDROFLUORIC ACID
HG - MERCURY	H2S - HYDROGEN SULFIDE
NH3 - AMMONIA	NO - NITRIC OXIDE
SO2 - SULFUR DIOXIDE	SO3 - SULFUR TRIOXIDE
VC - VINYL CHLORIDE	ZN - ZINC
ACETY - ACETYLENES (ALKYNES)	ALDHY - ALDEHYDES
AROM - AROMATICS	CE - COKE OVEN EMISSIONS
CFC - CHLOROFLUOROCARBONS	FD - FUGITIVE DUST
FE - FUGITIVE EMISSIONS	FL - FLUORIDES
HC - TOTAL HYDROCARBONS	KETON - KETONES
OACID - ORGANIC ACIDS	OD - ODORS
OLEF - OLEFINS	OT - OTHER
PARAF - PARAFFINS (ALKANES)	PM10 - PARTICULATE MATTER
PM2.5 - PARTICULATE MATTER	PNA - POLYNUCLEAR AROMATICS

ASC - ARSENIC COMPOUNDS	BAC - BARIUM COMPOUNDS
BEC - BERYLLIUM COMPOUNDS	CDC - CADMIUM COMPOUNDS
PT - TOTAL PARTICULATE MATTER	SO4 - SULFATES
TS - TOTAL REDUCED SULFUR	VE - VISIBLE EMISSIONS
VOC - VOLATILE ORGANIC COMPOUNDS	SBC -ANTIMONY COMPOUNDS
CLPH - CHLORPHENOLS	CRC - CHROMIUM COMPOUNDS
COC - COBALT COMPOUNDS	CUC - COPPER COMPOUNDS
CNC - CYANIDE COMPOUNDS	GLYET - GLYCOL ETHERS
PBC - LEAD COMPOUNDS	MNC - MANGANESE COMPOUNDS
HGC - MERCURY COMPOUNDS	NIC - NICKEL COMPOUNDS
PBB - POLYBROMINATED BIPHENYLS	SEC - SELENIUM COMPOUNDS
NO2 - NITROGEN DIOXIDE	PB - LEAD
PX - DEFAULT POLLUTANT FROM CDS	
P1 - FINE PARTICULATES: HIGH PROBABILITY OF NON-ATTAINMENT	
P2 - FINE PARTICULATES: LOW PROBABILITY OF NON-ATTAINMENT	

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must be from the list above.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the list above.

4.6.3 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 303

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file. Valid values are available through AFS utility menu selection option 11 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 13, Sequence #1

In columns 15-23, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS REQUIRED
BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT
CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

4.6.4 STATE POLLUTANT COMPLIANCE STATUS

STATE POLLUTANT COMPLIANCE STATUS is a one-character code which indicates whether a plant is in compliance, not in compliance, or has an unknown compliance status with regard to a specific pollutant regulated by an air program. The worst case State Pollutant Compliance Status "bubbles-up", and is displayed for the Air Program State Compliance Status. The worst case Air Program Compliance Status, in turn, "bubbles-up" and is displayed as the Plant State Compliance Status.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 303

In the 'STATE POLLUTANT COMPLIANCE STATUS' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **STATE POLLUTANT COMPLIANCE STATUS** from the list below.

Batch: Transaction type 13, Sequence #1

In column 24, enter a valid value for **STATE POLLUTANT COMPLIANCE STATUS** from the list below.

(In order from worst to best case)

OUT OF COMPLIANCE

- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 1 - IN VIOLATION - NO SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE

UNKNOWN COMPLIANCE

- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 0 - UNKNOWN COMPLIANCE STATUS
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE

ON SCHEDULE

5 - MEETING COMPLIANCE SCHEDULE

IN COMPLIANCE

- C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
- 4 - IN COMPLIANCE - CERTIFICATION
- 3 - IN COMPLIANCE - INSPECTION
- M - IN COMPLIANCE - CEMS
- 2 - IN COMPLIANCE - SOURCE TEST
- 8 - NO APPLICABLE STATE REGULATION
- 9 - IN COMPLIANCE - SHUT DOWN
- P - PRESENT, SEE OTHER PROGRAM(S)

Online Error Messages:

INVALID STATE POLLUTANT COMPLIANCE STATUS.

STATE POLLUTANT COMPLIANCE STATUS must be from list above.

STATE POLLUTANT COMPLIANCE STATUS IS REQUIRED.

STATE POLLUTANT COMPLIANCE STATUS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE POLLUTANT COMPLIANCE STATUS.

STATE POLLUTANT COMPLIANCE STATUS must be from list above.

TRANSACTION ERROR - STATE POLLUTANT COMPLIANCE STATUS IS REQUIRED.

STATE POLLUTANT COMPLIANCE STATUS must be entered.

4.6.5 STATE POLLUTANT CLASSIFICATION

STATE POLLUTANT CLASSIFICATION is a two-character code assigning a plant classification to individual criteria pollutants regulated by an air program. The largest State Pollutant class value "bubbles-up" and is stored as the air program value. The largest air program value "bubbles-up" and is stored as the plant value.

Attributes: 2 character code
Required only for air programs other than NESHAP and in conjunction with the following criteria pollutants: VOC, PT, SO₂.

Coding Instructions:

Apply one of the following classifications which best describes the emissions status designated by the state for the identified pollutant under current operating conditions. A classification under the NESHAP air program is not required since NESHAP pertains only to standards for hazardous air pollutants.

Online: Screen 303

In the 'STATE POLLUTANT CLASSIFICATION' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **STATE POLLUTANT CLASSIFICATION** from the list below.

Batch: Transaction type 13, Sequence #1

In columns 25-26, enter a valid value for STATE POLLUTANT CLASSIFICATION from the list below.

- A - ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
- A1 - ACTUAL OR POTENTIAL CONTROLLED EMISSIONS > 100 TONS/YEAR AS PER ALABAMA POWER DECISION
- E1 - UNREGULATED POLLUTANT ACTUAL OR POTENTIAL CONTROLLED EMISSIONS > 100 TONS/YR AS PER ALABAMA POWER DECISION
- SM - POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
- A2 - ACTUAL EMISSIONS <100 TONS/YEAR, BUT POTENTIAL UNCONTROLLED EMISSIONS >100 TONS/YEAR
- E2 - UNREGULATED POLLUTANT ACTUAL EMISSIONS < 100 TON/YEAR
- B - POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR

ND - MAJOR SOURCE THRESHOLDS ARE NOT DEFINED
C - CLASS IS UNKNOWN
UK - UNKNOWN

Definitions:

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

Online Error Messages:

INVALID STATE POLLUTANT CLASSIFICATION.

STATE POLLUTANT CLASSIFICATION must be from the list above.

STATE POLLUTANT CLASSIFICATION IS REQUIRED.

STATE POLLUTANT CLASSIFICATION must be entered for criteria mentioned above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE POLLUTANT CLASSIFICATION.

STATE POLLUTANT CLASSIFICATION must be from the list above.

TRANSACTION ERROR - STATE POLLUTANT CLASSIFICATION IS REQUIRED.

STATE POLLUTANT CLASSIFICATION must be entered for criteria mentioned above.

4.6.6 STATE ATTAINMENT/NON-ATTAINMENT INDICATOR

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR is a one-character code identifying the criteria pollutant attainment status for the county in which the plant is located. An area may be an attainment area for one pollutant and a non-attainment area for others.

Attributes: 1 character code
Required only for air programs other than NESHAP and in conjunction with the following criteria pollutants: VOC, PT, SO₂.

Coding Instructions:

Online: Screen 303

In the 'STATE ATTAINMENT/NON-ATTAINMENT' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **STATE ATTAINMENT/NON-ATTAINMENT INDICATOR** from the list below.

Batch: Transaction type 13, Sequence #1

In column 27, enter a valid value for **STATE ATTAINMENT/NON-ATTAINMENT INDICATOR** from the list below.

- A - ATTAINMENT AREA FOR GIVEN POLLUTANT
- M - MODERATE (FOR VOC, NO₂, CO AND PARTICULATE)
- S - SERIOUS (FOR VOC, NO₂, CO AND PARTICULATE)
- V - SEVERE (FOR VOC AND NO₂)
- X - EXTREME (FOR VOC AND NO₂)
- T - TRANSPORT REGION NOT SERIOUS, SEVERE, OR EXTREME (VOC ONLY)
- N - ALL OTHER NON-ATTAINMENT FOR PRIMARY AND SECONDARY STANDARDS
- 1 - NON-ATTAINMENT FOR PRIMARY SO₂ STANDARDS
- 2 - NON-ATTAINMENT FOR SECONDARY PT OR SO₂ STANDARDS
- U - UNCLASSIFIED

Definitions:

PRIMARY STANDARDS -

The air quality standards required to prevent adverse effects upon human health.

SECONDARY STANDARDS -

A more strict set of standards than the primary standards which are set to prevent negative effects on vegetation, property, or other components of the environment.

Online Error Messages:

INVALID STATE ATTAINMENT/NON-ATTAINMENT INDICATOR.

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR must be from the list above.

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR IS REQUIRED.

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR must be entered for criteria mentioned above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE ATTAINMENT/NON-ATTAINMENT INDICATOR.

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR must be from the list above.

TRANSACTION ERROR - STATE ATTAINMENT/NON-ATTAINMENT INDICATOR IS REQUIRED.

STATE ATTAINMENT/NON-ATTAINMENT INDICATOR must be entered for criteria mentioned above.

4.6.7 EPA POLLUTANT COMPLIANCE STATUS

EPA POLLUTANT COMPLIANCE STATUS is a one-character code which indicates whether a plant is in compliance, not in compliance, or has an unknown compliance status with regard to a specific pollutant regulated by an air program. The worst case EPA Pollutant Compliance Status "bubbles-up", and is displayed for the Air Program EPA Compliance Status. The worst case Air Program Compliance Status, in turn, "bubbles-up" and is displayed as the Plant EPA Compliance Status.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 303

In the 'EPA POLLUTANT COMPLIANCE STATUS' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **EPA POLLUTANT COMPLIANCE STATUS** from the list below.

Batch: Transaction type 13, Sequence #1

In column 28, enter a valid value for **EPA POLLUTANT COMPLIANCE STATUS** from the list below.

(In order from worst to best case)

OUT OF COMPLIANCE

- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 1 - IN VIOLATION - NO SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE

UNKNOWN COMPLIANCE

- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 0 - UNKNOWN COMPLIANCE STATUS
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE

ON SCHEDULE

5 - MEETING COMPLIANCE SCHEDULE

IN COMPLIANCE

C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
4 - IN COMPLIANCE - CERTIFICATION
3 - IN COMPLIANCE - INSPECTION
M - IN COMPLIANCE - CEMS
2 - IN COMPLIANCE - SOURCE TEST
8 - NO APPLICABLE STATE REGULATION
9 - IN COMPLIANCE - SHUT DOWN
P - PRESENT, SEE OTHER PROGRAM(S)

Online Error Messages:

INVALID EPA POLLUTANT COMPLIANCE STATUS.

EPA POLLUTANT COMPLIANCE STATUS must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EPA POLLUTANT COMPLIANCE STATUS.

EPA POLLUTANT COMPLIANCE STATUS must be from list above.

4.6.8 EPA POLLUTANT CLASSIFICATION

EPA POLLUTANT CLASSIFICATION is a two-character code assigning a plant classification to individual criteria pollutants regulated by an air program. The largest EPA Pollutant class value "bubbles-up" and is stored as the air program value. The largest air program value "bubbles-up" and is stored as the plant value.

Attributes: 2 character code
Required only for air programs other than NESHAP and in conjunction with the following criteria pollutants: VOC, PT, SO₂.

Coding Instructions:

Apply one of the following classifications which best describes the emissions status designated by the EPA for the identified pollutant under current operating conditions. A classification under the NESHAP air program is not required since NESHAP pertains only to standards for hazardous air pollutants.

Online: Screen 303

In the 'EPA POLLUTANT CLASSIFICATION' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **EPA POLLUTANT CLASSIFICATION** from the list below.

Batch: Transaction type 13, Sequence #1

In columns 25-26, enter a valid value for **EPA POLLUTANT CLASSIFICATION** from the list below.

- A - ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
- A1 - ACTUAL OR POTENTIAL CONTROLLED EMISSIONS > 100 TONS/YEAR AS PER ALABAMA POWER DECISION
- E1 - UNREGULATED POLLUTANT ACTUAL OR POTENTIAL CONTROLLED EMISSIONS > 100 TONS/YR AS PER ALABAMA POWER DECISION
- SM - POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
- A2 - ACTUAL EMISSIONS <100 TONS/YEAR, BUT POTENTIAL UNCONTROLLED EMISSIONS >100 TONS/YEAR

E2 - UNREGULATED POLLUTANT ACTUAL EMISSIONS < 100 TON/YEAR
B - POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
ND - MAJOR SOURCE THRESHOLDS ARE NOT DEFINED
C - CLASS IS UNKNOWN
UK - UNKNOWN

Definitions:

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

Online Error Messages:

INVALID EPA POLLUTANT CLASSIFICATION.

EPA POLLUTANT CLASSIFICATION must be from the list above.

EPA POLLUTANT CLASSIFICATION IS REQUIRED.

EPA POLLUTANT CLASSIFICATION must be entered for criteria mentioned above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EPA POLLUTANT CLASSIFICATION.

EPA POLLUTANT CLASSIFICATION must be from the list above.

TRANSACTION ERROR - EPA POLLUTANT CLASSIFICATION IS REQUIRED.

EPA POLLUTANT CLASSIFICATION must be entered for criteria mentioned above.

4.6.9 EPA ATTAINMENT/NON-ATTAINMENT

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR is a one-character code identifying the criteria pollutant attainment status for the county in which the plant is located. This field is used when an EPA attainment/non-attainment indicator value differs from an attainment/non-attainment indicator value submitted by a state. An area may be an attainment area for one pollutant and a non-attainment area for others.

Attributes: 1 character code
Required only for air programs other than NESHAP and in conjunction with the following criteria pollutants: VOC, PT, SO₂.

Coding Instructions:

Online: Screen 303

In the 'EPA ATTAINMENT/NON-ATTAINMENT' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **EPA ATTAINMENT/NON-ATTAINMENT INDICATOR** from the list below.

Batch: Transaction type 13, Sequence #1

In column 31, enter a valid value for **EPA ATTAINMENT/NON-ATTAINMENT INDICATOR** from the list below.

- A - ATTAINMENT AREA FOR GIVEN POLLUTANT
- M - MODERATE (FOR VOC, NO₂, CO AND PARTICULATE)
- S - SERIOUS (FOR VOC, NO₂, CO AND PARTICULATE)
- V - SEVERE (FOR VOC AND NO₂)
- X - EXTREME (FOR VOC AND NO₂)
- T - TRANSPORT REGION NOT SERIOUS, SEVERE, OR EXTREME (VOC ONLY)
- N - ALL OTHER NON-ATTAINMENT FOR PRIMARY AND SECONDARY STANDARDS
- 1 - NON-ATTAINMENT FOR PRIMARY SO₂ STANDARDS
- 2 - NON-ATTAINMENT FOR SECONDARY PT OR SO₂ STANDARDS
- U - UNCLASSIFIED

Definitions:

PRIMARY STANDARDS -

The air quality standards required to prevent adverse effects upon human health.

SECONDARY STANDARDS -

A more strict set of standards than the primary standards which are set to prevent negative effects on vegetation, property, or other components of the environment.

Online Error Messages:

INVALID EPA ATTAINMENT/NON-ATTAINMENT INDICATOR.

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR must be from the list above.

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR IS REQUIRED.

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR must be entered for criteria mentioned above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EPA ATTAINMENT/NON-ATTAINMENT INDICATOR.

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR must be from the list above.

TRANSACTION ERROR - EPA ATTAINMENT/NON-ATTAINMENT INDICATOR IS REQUIRED.

EPA ATTAINMENT/NON-ATTAINMENT INDICATOR must be entered for criteria mentioned above.

4.6.10 **LOADING DERIVATION CODE**

LOADING DERIVATION CODE is a one-character code indicating which type of emissions were used to determine pollutant classification.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 303

In the 'LOADING DERIVATION CODE' field found on the Plant Pollutant Air Program Information screen, enter a valid value for **LOADING DERIVATION CODE** from the list below.

Batch: Transaction type 13, Sequence #1

In column 32, enter a valid value for **LOADING DERIVATION CODE** from the list below.

A - ACTUAL OR ESTIMATED ACTUAL
P - POTENTIAL CONTROLLED PER ALABAMA POWER DECISION
I - INCOMPLETE SOURCE LOADING INFORMATION

Definitions:

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

ESTIMATED ACTUAL -

The estimated actual annual emissions for the plant.

Online Error Messages:

INVALID LOADING DERIVATION CODE.

LOADING DERIVATION CODE must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LOADING DERIVATION CODE.

LOADING DERIVATION CODE must be from list above.

4.6.11 REGIONAL DATA ELEMENT 14

REGIONAL DATA ELEMENT 14 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant level air program information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 303

In the 'RDE14' field found on the Plant Air Information screen, enter a one character value for **REGIONAL DATA ELEMENT 14**.

Batch: Transaction type 13, Sequence #1

In column 33, enter a one character value for **REGIONAL DATA ELEMENT 14**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.6.12 TOXICITY LEVEL

TOXICITY LEVEL is a one-character code indicating the level of toxicity for a chemical associated with a regulatory air program. Toxicity levels are determined by the regulatory compliance agency.

Attributes: 1 character code
Not required

Coding Instructions:

Toxicity levels are determined by the regulatory compliance agency.

Online: Screen 303

In the 'TOXICITY LEVEL' field found on the Plant Air Information screen, enter a valid value for **TOXICITY LEVEL** from the range below.

Batch: Transaction type 13, Sequence #1

In column 34, enter a valid value for **TOXICITY LEVEL** from the range below.

1 (HIGHLY TOXIC) - 5 (MILDLY TOXIC)

Online Error Messages:

INVALID TOXICITY LEVEL.

TOXICITY LEVEL must be from the range above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TOXICITY LEVEL.

TOXICITY LEVEL must be from the range above.

4.6.13 STATE REGULATION NUMBER

STATE REGULATION NUMBER is the number of the state regulation governing the selection of data about the specified pollutant.

Attributes: 15 character code
Not required

Coding Instructions:

Online: Screen 303

In the 'STATE REGULATION NUMBER' field found on the Plant Air Information screen, enter up to 15 characters for **STATE REGULATION NUMBER**.

Batch: Transaction type 13, Sequence #1

In columns 35-49, enter up to 15 characters for **STATE REGULATION NUMBER**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7 Update Fee Certification

The AFS Fee Certification record allows users to track data pertaining to permit fees levied and paid by the facility.

4.7.1 FEE STATUS

FEE STATUS is a user-defined code indicating the status of a plant with regard to the permit fee process.

Attributes: 1 character code
Not required

Coding Instructions:

All sources which discharge a significant amount of air pollutant emissions are required to apply for and obtain permits for operation. The permits are generally issued by state agencies and require a source to meet, at a minimum, federal standards for emissions limitations, monitoring, record-keeping and reporting.

Online: Screen 304

In the 'FEE STATUS' field found on the Fee Certification Information screen, enter a value for **FEE STATUS**.

Batch: Transaction type 14, Sequence #1

In column 14, enter a value for **FEE STATUS**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.2 FEE STATUS CHANGE DATE

FEE STATUS CHANGE DATE is the date on which the status of a plant changed with regard to the permit fee process.

Attributes: 6 character code
Not required

Coding Instructions:

Online: Screen 304

In the 'FEE STATUS CHANGE DATE' field found on the Fee Certification Information screen, enter a 6 character value for **FEE STATUS CHANGE DATE**.

Batch: Transaction type 14, Sequence #1

In columns 15-20, enter a 6 character value for **FEE STATUS CHANGE DATE**.

Online Error Messages:

INVALID FEE STATUS CHANGE DATE.

FEE STATUS CHANGE DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

INVALID FEE STATUS CHANGE DATE.

FEE STATUS CHANGE DATE must be in the format (YYMMDD).

4.7.3 FEE CLASSIFICATION CODE

FEE CLASSIFICATION CODE is a one-character user-defined code indicating the difficulty of a plant compliance inspection, based upon the number of points at a facility where emissions actually occur and the annual quantity of emissions.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE CLASSIFICATION CODE' field found on the Fee Certification Information screen, enter a value for **FEE CLASSIFICATION CODE**.

Batch: Transaction type 14, Sequence #1

In column 21, enter a value for **FEE CLASSIFICATION CODE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.4 FEE CLASSIFICATION REASON - 1

FEE CLASSIFICATION REASON - 1 is a user-defined code indicating the reason a plant received a particular fee plant classification code.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE CLASSIFICATION REASON - 1' field found on the Fee Certification Information screen, enter a value for **FEE CLASSIFICATION REASON - 1**.

Batch: Transaction type 14, Sequence #1

In column 22, enter a value for **FEE CLASSIFICATION REASON - 1**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.5 FEE CLASSIFICATION REASON - 2

FEE CLASSIFICATION REASON - 2 is a user-defined code indicating the reason a plant received a particular fee plant classification code.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE CLASSIFICATION REASON - 2' field found on the Fee Certification Information screen, enter a value for **FEE CLASSIFICATION REASON - 2**.

Batch: Transaction type 14, Sequence #1

In column 23, enter a value for **FEE CLASSIFICATION REASON - 2**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.6 FEE BILLING AMOUNT

FEE BILLING AMOUNT is the dollar amount that a plant is billed for a permit.

Attributes: 6 digit code
Not required

Coding Instructions:

Online: Screen 304

In the 'FEE BILLING AMOUNT' field found on the Fee Certification Information screen, enter up to 6 digits for **FEE BILLING AMOUNT**.

Batch: Transaction type 14, Sequence #1

In columns 24-29, enter up to 6 digits for **FEE BILLING AMOUNT**.

Online Error Messages:

FEE BILLING AMOUNT MUST BE NUMERIC.

FEE BILLING AMOUNT must be in the format 9999.99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - FEE BILLING AMOUNT MUST BE NUMERIC.

FEE BILLING AMOUNT must be in the format 9999.99.

4.7.7 FEE BILLING DATE

FEE BILLING DATE is the date that a fee certification billing process begins.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE BILLING DATE' field found on the Fee Certification Information screen, enter a 6 digit value for **FEE BILLING DATE**.

Batch: Transaction type 14, Sequence #1

In columns 30-35, enter a 6 digit value for **FEE BILLING DATE**.

Online Error Messages:

INVALID FEE BILLING DATE.

FEE BILLING DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID FEE BILLING DATE.

FEE BILLING DATE must be in the format (YYMMDD).

4.7.8 FEE PENALTY AMOUNT

FEE PENALTY AMOUNT is a late charge assessed if a plant has not paid a fee certification billing amount on schedule.

Attributes: 6 digit code
Not required

Coding Instructions:

Online: Screen 304

In the 'FEE PENALTY AMOUNT' field found on the Fee Certification Information screen, enter up to 6 digits for **FEE PENALTY AMOUNT**.

Batch: Transaction type 14, Sequence #1

In columns 36-41, enter up to 6 digits for **FEE PENALTY AMOUNT**.

Online Error Messages:

FEE PENALTY AMOUNT MUST BE NUMERIC.

FEE PENALTY AMOUNT must be in the format 9999.99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - FEE PENALTY AMOUNT MUST BE NUMERIC.

FEE PENALTY AMOUNT must be in the format 9999.99.

4.7.9 FEE PENALTY DATE

FEE PENALTY DATE is the billing due date for a plant certification fee.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE PENALTY DATE' field found on the Fee Certification Information screen, enter a 6 digit value for **FEE PENALTY DATE**.

Batch: Transaction type 14, Sequence #1

In columns 42-47, enter a 6 digit value for **FEE PENALTY DATE**.

Online Error Messages:

INVALID FEE PENALTY DATE.

FEE PENALTY DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID FEE PENALTY DATE.

FEE PENALTY DATE must be in the format (YYMMDD).

4.7.10 FEE RECEIVED DATE

FEE RECEIVED DATE is the date a certification fee is received by the state.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE RECEIVED DATE' field found on the Fee Certification Information screen, enter a 6 digit value for **FEE RECEIVED DATE**.

Batch: Transaction type 14, Sequence #1

In columns 48-53, enter a 6 digit value for **FEE RECEIVED DATE**.

Online Error Messages:

INVALID FEE RECEIVED DATE.

FEE RECEIVED DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID FEE RECEIVED DATE.

FEE RECEIVED DATE must be in the format (YYMMDD).

4.7.11 FEE PAYMENT CHECK NUMBER

FEE PAYMENT CHECK NUMBER is the number of the check sent by a plant to pay a certification fee.

Attributes: 9 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE PAYMENT CHECK NUMBER' field found on the Fee Certification Information screen, enter up to 9 characters for **FEE PAYMENT CHECK NUMBER**.

Batch: Transaction type 14, Sequence #1

In columns 54-62, enter up to 9 characters for **FEE PAYMENT CHECK NUMBER**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.12 FEE VOUCHER NUMBER

FEE VOUCHER NUMBER is the voucher number for this year's fee certification payment.

Attributes: 5 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE VOUCHER NUMBER' field found on the Fee Certification Information screen, enter up to 5 characters for **FEE VOUCHER NUMBER**.

Batch: Transaction type 14, Sequence #1

In columns 63-67, enter up to 5 characters for **FEE VOUCHER NUMBER**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.7.13 FEE CERTIFICATION DATE

FEE CERTIFICATION DATE is the date of a plant fee certification inspection.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 304

In the 'FEE CERTIFICATION DATE' field found on the Fee Certification Information screen, enter a 6 digit value for **FEE CERTIFICATION DATE**.

Batch: Transaction type 14, Sequence #1

In columns 68-73, enter a 6 digit value for **FEE CERTIFICATION DATE**.

Online Error Messages:

INVALID FEE CERTIFICATION DATE.

FEE CERTIFICATION DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID FEE CERTIFICATION DATE.

FEE CERTIFICATION DATE must be in the format (YYMMDD).

4.8 Update AFS Mailing Label

AFS maintains a separate mailing label record containing the plant name and address for each plant in the system. Users can automatically copy the values input at the time of adding the plant to the mailing label by answering "yes" to the copy query displayed in adding a plant or users can add different data directly to the mailing label record. AFS will generate mailing labels through the use of a utility available on the AFS utility menu.

4.8.1 MAILING PLANT NAME

MAILING PLANT NAME is the mailing name associated with a plant at a given location.

Attributes: 40 character code
Required

Coding Instructions:

Online: Screen 305

In the 'MAILING PLANT NAME' field found on the Mailing Label Information screen, enter up to 40 characters for **MAILING PLANT NAME**.

Batch: Transaction type 15, Sequence #1

In columns 16-55, enter up to 40 characters for **MAILING PLANT NAME**.

Online Error Messages:

PLANT NAME IS REQUIRED

MAILING PLANT NAME must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PLANT NAME IS REQUIRED

MAILING PLANT NAME must be entered.

4.8.2 MAILING STREET ADDRESS

MAILING STREET ADDRESS is the street referenced in the plant's mailing address.

Attributes: 30 character code
Required

Coding Instructions:

Online: Screen 305

In the 'MAILING STREET ADDRESS' field found on the Mailing Label Information screen, enter up to 30 characters for **MAILING STREET ADDRESS**.

Batch: Transaction type 15, Sequence #2

In columns 16-45, enter up to 30 characters for **MAILING STREET ADDRESS**.

Online Error Messages:

STREET ADDRESS IS REQUIRED

MAILING STREET ADDRESS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STREET ADDRESS IS REQUIRED

MAILING STREET ADDRESS must be entered.

4.8.3 MAILING CITY NAME

MAILING CITY NAME is the name of the city or town found on the facility's mailing address.

Attributes: 30 character code
Required

Coding Instructions:

Online: Screen 305

In the 'MAILING CITY NAME' field found in the Mailing Label Information screen, enter up to 30 characters for **MAILING CITY NAME**.

Batch: Transaction type 15, Sequence #2

In columns 46-75, enter up to 30 characters for **MAILING CITY NAME**.

Online Error Messages:

CITY NAME IS REQUIRED

MAILING CITY NAME must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CITY NAME IS REQUIRED

MAILING CITY NAME must be entered.

4.8.4 MAILING STATE CODE

MAILING STATE CODE is a two-character FIPS code identifying the state in the plant mailing address.

Attributes: 2 character code
Required

Coding Instructions:

Online: Screen 305

In the 'MAILING STATE CODE' field found on the Mailing Label Information screen, enter a valid 2 character value for **MAILING STATE CODE** from the list below.

Batch: Transaction type 15, Sequence #2

In columns 76-77, enter a valid 2 character value for **MAILING STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS

21 - KENTUCKY
22 - LOUISIANA

40 - OKLAHOMA
41 - OREGON

88 - TRUST TERRITORIES

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE CODE.

MAILING STATE CODE must be from the list above.

STATE CODE IS REQUIRED.

MAILING STATE CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE CODE.

MAILING STATE CODE must be from the list above.

TRANSACTION ERROR - STATE CODE IS REQUIRED.

MAILING STATE CODE must be entered.

4.8.5 MAILING ZIP CODE

MAILING ZIP CODE is the zip code for the mailing address of a plant.

Attributes: 9 digit code
Required

Coding Instructions:

Online: Screen 305

In the 'MAILING ZIP CODE' field found on the Mailing Label Information screen, enter a valid **ZIP CODE**.

Batch: Transaction type 15, Sequence #3

In columns 16-24, enter a valid **ZIP CODE**.

Online Error Messages:

ZIP CODE IS REQUIRED

ZIP CODE must be entered.

ZIP CODE MUST BE NUMERIC

ZIP CODE must be in the format '99999-9999'

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE IS REQUIRED

ZIP CODE must be entered.

TRANSACTION ERROR - ZIP CODE MUST BE NUMERIC

ZIP CODE must be in the format '99999-9999'

4.8.6 MAILING LABEL CODE

MAILING LABEL CODE is a user-defined, two-character code identifying the mailing label classification of a plant. Use of this code allows categorization of mailing labels. For example, each industry type can be given a unique mailing label code, allowing the generation of mailing labels for specific industries or other categories of the AFS database plant records for a state.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 305

In the 'MAILING LABEL CODE' field found on the Mailing Label Information screen, enter a **MAILING LABEL CODE**.

Batch: Transaction type 15, Sequence #3

In columns 25-26, enter a **MAILING LABEL CODE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.9 Update AFS Plant Action

Plant compliance activities such as inspections, administrative orders, are maintained in the AFS Plant Action record type.

Common Data Field

The data field **ACTION NUMBER** serves as the common data element to associate all AFS Plant Action fields and therefore must be referenced in all batch update transactions.

4.9.1 ACTION NUMBER

ACTION NUMBER is a unique three-digit numeric compliance action identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

An **ACTION NUMBER** is required when entering AFS Plant Action since it uniquely identifies an individual plant level compliance activity.

Online: Screen 306

In the 'ACTION NUMBER' field found on the Plant Action Information screen, enter a valid **ACTION NUMBER**. The input of a value '999' will cause AFS to automatically generate the next sequentially available action number for additions of plant action records.

Batch: Transaction type 16, Sequence #1

In columns 14-16, enter a valid **ACTION NUMBER**. The input of a value '999' will cause AFS to automatically generate the next sequentially available action number for additions of plant action records.

Online Error Messages:

ACTION NUMBER IS REQUIRED

ACTION NUMBER must be entered.

INVALID ACTION NUMBER

ACTION NUMBER must be numeric format 999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION NUMBER IS REQUIRED

ACTION NUMBER must be entered.

TRANSACTION ERROR - INVALID ACTION NUMBER

ACTION NUMBER must be numeric format 999.

4.9.2 AIR PROGRAM CODE 1

AIR PROGRAM CODE 1 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 1' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 1 from the table below.

Batch: Transaction type 16, Sequence #1

In column 17, enter a valid value representing an AIR PROGRAM CODE 1 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC -

Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR -

New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP -

National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS -

New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE 1 must be entered.

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 1 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE 1 must be entered.

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 1 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.3 AIR PROGRAM CODE 2

AIR PROGRAM CODE 2 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 2' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 2 from the table below.

Batch: Transaction type 16, Sequence #1

In column 18, enter a valid value representing an AIR PROGRAM CODE 2 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 2 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 2 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.4 AIR PROGRAM CODE 3

AIR PROGRAM CODE 3 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 3' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 3 from the table below.

Batch: Transaction type 16, Sequence #1

In column 19, enter a valid value representing an AIR PROGRAM CODE 3 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 3 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 3 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.5 AIR PROGRAM CODE 4

AIR PROGRAM CODE 4 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 4' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 4 from the table below.

Batch: Transaction type 16, Sequence #1

In column 20, enter a valid value representing an AIR PROGRAM CODE 4 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 4 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 4 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.6 AIR PROGRAM CODE 5

AIR PROGRAM CODE 5 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 5' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 5 from the table below.

Batch: Transaction type 16, Sequence #1

In column 21, enter a valid value representing an AIR PROGRAM CODE 5 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 5 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 5 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Information describing specific aspects of the air program must be previously added to Plant Air Program either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.7 AIR PROGRAM CODE 6

AIR PROGRAM CODE 6 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Up to six air programs can be added for a compliance action. In order to be valid and accepted, all action air program codes must already exist for the plant through comparable plant air program records.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'AIR PROGRAM FIELD 6' field found on the Plant Action Information screen, enter a valid value representing AIR PROGRAM CODE 6 from the table below.

Batch: Transaction type 16, Sequence #1

In column 22, enter a valid value representing an AIR PROGRAM CODE 6 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutant s - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 6 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must be previously added to plant. Likewise, information describing specific aspects of the air program must be previously added to Plant Air Program Information either online at screen 302 or by batch transaction type 12, sequence number 1.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT.

AIR PROGRAM CODE must be previously added to plant. Likewise, information describing specific aspects of the air program must be previously added to Plant Air Program Information either online at screen 302 or by batch transaction type 12, sequence number 1.

4.9.8 ACTION TYPE

ACTION TYPE is a two-character code identifying a compliance activity. Two categories of action types exist: national action types, which are used to retrieve similar compliance activities identified by EPA regions using region-specific action type codes; and regional action types, which are the region-specific codes used to identify a compliance activity. Some action types associated with certification received (state or federal) have been flagged as non-enforcement sensitive, regardless of the date scheduled associated with the action.

Attributes: 2 character code
Required

Coding Instructions:

Online: Screen 306

In the 'ACTION TYPE' field found on the Plant Action Information screen, enter an **ACTION TYPE** from the ACTION TABLE file. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

The ACTION TABLE file also indicates whether the action type can be used for a Key Action for Action Linking and whether the action is recommended for a particular type of action linking pathway:

For Key actions, ACTION TYPE must be listed on the action table as being a valid key action type.

When linking actions to a key action, recommended values are available by placing "?" in the first character of the online data field.

Batch: Transaction type 16, Sequence #1

In columns 23-24, enter an **ACTION TYPE** from the ACTION TABLE file.

Online Error Messages:

ACTION TYPE IS REQUIRED.

ACTION TYPE is a mandatory field.

ENFORCEMENT SENSITIVE ACTION TYPE NOT ALLOWED.

Only users with sensitive update access can enter an enforcement sensitive **ACTION TYPE**.

INVALID ACTION TYPE - VALID ONLY IF STATE PRIVATE.

ACTION TYPE must exist on the ACTION TABLE file.

INVALID ACTION TYPE FOR A PATHWAY.

ACTION TYPE for a Key action in Action Linking must be a key action type on the ACTION TABLE file.

UPDATE ACCESS TO Key action TYPE DENIED.

ACTION TYPE for a Key action in Action Linking cannot be changed to another pathway type or to a non-Key action type.

OBSOLETE ACTION TYPE - INVALID FOR UPDATE

ACTION TYPE must be non-obsolete.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION TYPE IS REQUIRED.

ACTION TYPE is a mandatory field.

TRANSACTION ERROR - INVALID ACTION TYPE.

ACTION TYPE must exist on the ACTION TABLE file.

TRANSACTION ERROR - ENFORCEMENT SENSITIVE ACTION TYPE NOT ALLOWED.

Only users with sensitive update access can enter an enforcement sensitive **ACTION TYPE**.

TRANSACTION ERROR - INVALID ACTION TYPE FOR A PATHWAY.

ACTION TYPE for a Key action in Action Linking must be a key action type on the ACTION TABLE FILE.

TRANSACTION ERROR - UPDATE ACCESS TO Key action TYPE DENIED.

ACTION TYPE for a Key action in Action Linking cannot be changed to another pathway type or to a non-Key action type.

TRANSACTION ERROR - OBSOLETE ACTION TYPE - INVALID FOR UPDATE

ACTION TYPE must be non-obsolete.

4.9.9 ACTION TYPE CATEGORY

ACTION TYPE CATEGORY identifies a general category to which a particular action belongs; engineering, enforcement or inspection.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'ACTION TYPE CATEGORY' field found on the Plant Action Information screen, enter an **ACTION TYPE CATEGORY** from the list below.

Batch: Transaction type 16, Sequence #1

In column 25, enter an **ACTION TYPE CATEGORY** from the list below.

E - ENGINEERING (i.e., stack test performed)
F - ENFORCEMENT (i.e., notice of violation issued)
I - INSPECTION (i.e., state inspection)

Online Error Messages:

INVALID ACTION TYPE CATEGORY.

ACTION TYPE CATEGORY must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID ACTION TYPE CATEGORY.

ACTION TYPE CATEGORY must be from the list above.

4.9.10 ACTION DESCRIPTION

ACTION DESCRIPTION is an optional field used only when the action type is "00" or does not correspond to an action type defined on the AFS action table.

Attributes: 15 character code
 Not required

Coding Instructions:

Online: Screen 306

In the 'ACTION DESCRIPTION' field found on the Plant Action Information screen, enter up to 15 characters for **ACTION DESCRIPTION**.

Batch: Transaction type 16, Sequence #1

In column 26-40, enter up to 15 characters for **ACTION DESCRIPTION**.

Online Error Messages:

ACTION DESCRIPTION NOT ALLOWED FOR ACTION TYPE ENTERED.

ACTION DESCRIPTION valid only for ACTION TYPE of 00 or if STATE PRIVATE.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION DESCRIPTION NOT ALLOWED FOR ACTION TYPE ENTERED.

ACTION DESCRIPTION valid only for ACTION TYPE of 00 or if STATE PRIVATE.

4.9.11 **DATE SCHEDULED**

DATE SCHEDULED is the date on which an action is scheduled to be performed. Actions with Date Scheduled greater than current day's date are considered prospective, and are classified as enforcement sensitive in AFS. Users must have sensitive update access to prospective actions, and sensitive retrieval access to retrieve them. Some action types associated with certification received (state or federal) have been flagged as non-enforcement sensitive, regardless of the date scheduled associated with the action.

Attributes: 6 digit code
Required (or date achieved)

Coding Instructions:

Online: Screen 306

In the 'DATE SCHEDULED' field found on the Plant Action Information screen, enter a 6 digit value for **DATE SCHEDULED**.

Batch: Transaction type 16, Sequence #1

In columns 41-46, enter a 6 digit value for **DATE SCHEDULED**.

Online Error Messages:

INVALID DATE SCHEDULED.

DATE SCHEDULED must be in the format (YYMMDD).

EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE SCHEDULED must be entered if DATE ACHIEVED is blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DATE SCHEDULED.

DATE SCHEDULED must be in the format (YYMMDD).

TRANSACTION ERROR - EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE SCHEDULED must be entered if DATE ACHIEVED is blank.

4.9.12 **DATE ACHIEVED**

DATE ACHIEVED is the date on which an action is completed.

Attributes: 6 digit code
 Required (or date scheduled)

Coding Instructions:

Online: Screen 306

In the 'DATE ACHIEVED' field found on the Plant Action Information screen, enter a 6 digit value for **DATE ACHIEVED**.

Batch: Transaction type 16, Sequence #1

In columns 47-52, enter a 6 digit value for **DATE ACHIEVED**.

Online Error Messages:

INVALID DATE ACHIEVED.

DATE ACHIEVED must be in the format (YYMMDD).

EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE ACHIEVED must be entered if DATE SCHEDULED is blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DATE ACHIEVED.

DATE ACHIEVED must be in the format (YYMMDD).

TRANSACTION ERROR - EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE ACHIEVED must be entered if DATE SCHEDULED is blank.

4.9.13 RESULTS CODE

RESULTS CODE is a two-character code indicating whether an action has been achieved or if another action should be referred to.

Attributes: 2 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'RESULTS CODE' field found on the Plant Action Information screen, enter a **RESULTS CODE** from the RESULTS TABLE. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 16, Sequence #1

In columns 53-54, enter a **RESULTS CODE** from the RESULTS TABLE. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Online Error Messages:

INVALID RESULTS CODE.

RESULTS CODE must exist on the RESULTS TABLE file.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID RESULTS CODE.

RESULTS CODE must exist on the RESULTS TABLE file.

4.9.14 **PENALTY AMOUNT**

PENALTY AMOUNT is the civil penalty assessed against a facility in the final agreement between the enforcement authority and the plant.

Attributes: 7 digit code, or for a penalty amount greater than 9,999,999, enter a "K" (without the quotes) which represents "thousands", in the right most position of the number.

Not required

Coding Instructions:

Online: Screen 306

In the 'PENALTY AMOUNT' field found on the Plant Action Information screen, enter 0 - 9999999 (or 999999K, where the "K" represents "thousands") for **PENALTY AMOUNT**.

Batch: Transaction type 16, Sequence #1

In columns 55-61, enter 0 - 9999999 (or 999999K, where the "K" represents "thousands") for **PENALTY AMOUNT**.

Online Error Messages:

PENALTY AMOUNT MUST BE NUMERIC OR A NUMBER FOLLOWED BY A "K".

PENALTY AMOUNT must be in the format 9999999 or 999999K.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PENALTY AMOUNT MUST BE NUMERIC OR A NUMBER FOLLOWED BY A "K".

PENALTY AMOUNT must be in the format 9999999 or 999999K.

4.9.15 STAFF CODE

STAFF CODE is a three-character code identifying:

- 1) the compliance or enforcement official assigned to monitor the compliance status of a plant, or
- 2) the staff member assigned to complete an action.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

In the 'STAFF CODE' field found on the Plant Action Information screen, enter a valid 3 character value for **STAFF CODE** from the STAFF TABLE file. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 16, Sequence #1

In columns 62-64, enter a valid 3 character value for **STAFF CODE**. The **STAFF CODE** must exist on the AFS STAFF TABLE.

Online Error Messages:

INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

4.9.16 REGIONAL DATA ELEMENT 8

REGIONAL DATA ELEMENT 8 is an optional field used by EPA regional personnel to maintain user-defined information relating to plant or point level actions.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 306

In the 'RDE8' field found on the Plant Air Information screen, enter up to 2 characters for **REGIONAL DATA ELEMENT 8**.

Batch: Transaction type 16, Sequence #1

In column 65-66, enter up to 2 characters for **REGIONAL DATA ELEMENT 8**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.9.17 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant level for compliance and measured against air quality criteria designated by the air program. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 5 character code
Required (or CAS #)

Coding Instructions:

Online: Screen 306

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 16, Sequence #1

In columns 67-75, enter a valid value for **POLLUTANT CODE** from the list below.

AB - ASBESTOS	AS - ARSENIC
BE - BERYLLIUM	BZ - BENZENE
CD - CADMIUM	CO - CARBON MONOXIDE
HCL - HYDROCHLORIC ACID	HF - HYDROFLUORIC ACID
HG - MERCURY	H2S - HYDROGEN SULFIDE
NH3 - AMMONIA	NO - NITRIC OXIDE
SO2 - SULFUR DIOXIDE	SO3 - SULFUR TRIOXIDE
VC - VINYL CHLORIDE	ZN - ZINC
ACETY - ACETYLENES (ALKYNES)	ALDHY - ALDEHYDES
AROM - AROMATICS	CE - COKE OVEN EMISSIONS
CFC - CHLOROFLUOROCARBONS	FD - FUGITIVE DUST
FE - FUGITIVE EMISSIONS	FL - FLUORIDES
HC - TOTAL HYDROCARBONS	KETON - KETONES
OACID - ORGANIC ACIDS	OD - ODORS
OLEF - OLEFINS	OT - OTHER
PARAF - PARAFFINS (ALKANES)	PM10 - PARTICULATE MATTER
PM2.5 - PARTICULATE MATTER	PNA - POLYNUCLEAR AROMATICS
ASC - ARSENIC COMPOUNDS	BAC - BARIUM COMPOUNDS
BEC - BERYLLIUM COMPOUNDS	CDC - CADMIUM COMPOUNDS
PT - TOTAL PARTICULATE MATTER	SO4 - SULFATES
TS - TOTAL REDUCED SULFUR	VE - VISIBLE EMISSIONS

VOC - VOLATILE ORGANIC COMPOUNDS	SBC - ANTIMONY COMPOUNDS
CLPH - CHLORPHENOLS	CRC - CHROMIUM COMPOUNDS
COC - COBALT COMPOUNDS	CUC - COPPER COMPOUNDS
CNC - CYANIDE COMPOUNDS	GLYET - GLYCOL ETHERS
PBC - LEAD COMPOUNDS	MNC - MANGANESE COMPOUNDS
HGC - MERCURY COMPOUNDS	NIC - NICKEL COMPOUNDS
PBB - POLYBROMINATED BIPHENYLS	SEC - SELENIUM COMPOUNDS
NO2 - NITROGEN DIOXIDE	PB - LEAD
PX - DEFAULT POLLUTANT FROM CDS	
P1 - FINE PARTICULATES: HIGH PROBABILITY OF NON-ATTAINMENT	
P2 - FINE PARTICULATES: LOW PROBABILITY OF NON-ATTAINMENT	

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED
BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS)
NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the list above.

4.9.18 CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 306

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 16, Sequence #1

In columns 67-75, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

4.9.19 CONTRACTOR STATE CODE

CONTRACTOR STATE CODE is a two-character FIPS code identifying the state in which an asbestos contractor is registered.

Attributes: 2 character code
Not required

Coding Instructions:

Online: Screen 306

In the 'CONTRACTOR STATE CODE' field found on the Plant Action Information screen, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

Batch: Transaction type 16, Sequence #2

In columns 17-18, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE.

CONTRACTOR STATE CODE must be from the list above.

STATE AND CONTRACTOR ID ARE BOTH REQUIRED

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

CONTRACTOR STATE CODE must be from list above.

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

4.9.20 **CONTRACTOR IDENTIFICATION NUMBER**

CONTRACTOR IDENTIFICATION NUMBER is a user defined identification number used to distinguish asbestos contractors within a state.

Attributes: 12 character code
 Not required

Coding Instructions:

Online: Screen 306

In the 'CONTRACTOR IDENTIFICATION NUMBER' field found on the Plant Action Information screen, enter up to 12 characters for **CONTRACTOR IDENTIFICATION NUMBER**.

Batch: Transaction type 16, Sequence #2

In columns 19-30, enter up to 12 characters for **CONTRACTOR IDENTIFICATION NUMBER**.

Online Error Messages:

STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since CONTRACTOR STATE CODE provides descriptive information about the contractor designated in **CONTRACTOR IDENTIFICATION NUMBER**, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since CONTRACTOR STATE CODE provides descriptive information about the contractor designated in **CONTRACTOR IDENTIFICATION NUMBER**, these fields must either both contain information or both remain blank.

4.9.21 STATE PRIVATE INDICATOR

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and designated State Private.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 306

In the 'STATE PRIVATE INDICATOR' field found in the Point Pollutant Information screen, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Batch: Transaction type 16, Sequence #2

In column 44, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR - ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be a 'N' in order to Update an existing Segment Comment.

4.9.22 KEY ACTION NUMBER

Key action NUMBER is a unique three-digit numeric compliance action identifier, indicating the action number to which a particular action is linked. For Key actions, the **Key action NUMBER** equals ACTION NUMBER.

Attributes: 3 digit code
 Not required.

Coding Instructions:

Online: Screen 306

Key action NUMBER is generated and stored when:

- an action is made into a key by entering "y" in the field "key action (Y/N)"
- an action is linked into an Action Linking Pathway in online or batch.

Batch: Transaction type 16, Sequence #3

In columns 17-19, enter the ACTION NUMBER for an existing action. The input of a value equal to the action number in columns 14-16 will make the action a Key action. Entering an ACTION NUMBER with a Key action NUMBER which is not equal will link the action to the Key action.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - Key action DOES NOT EXIST.

Key action NUMBER does not exist as an action.

TRANSACTION ERROR - ACTION SPECIFIED IS NOT A Key action.

Key action NUMBER exists as an action, but is not a Key action.

TRANSACTION ERROR - LINK DENIED; THE MAX # OF KEY ACT HAVE ALREADY BEEN ASSIGNED.

The action has already been linked to five actions, and cannot be linked to another.

4.9.23 KEY ACTION FLAG

Key action FLAG is a Yes/No field which, when set to 'Y', changes an action into a Key action in Action Linking.

Attributes: 1 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter 'Y' on the action key screen to make an action into a Key action. Leave **Key action FLAG** blank to allow the software fill in the appropriate value for the current configuration of the action.

Batch: Transaction type 16, Sequence #3

Key action FLAG is only valid online. In batch, users can make an action into a Key action by submitting a 16-3 transaction with ACTION NUMBER and **Key action NUMBER** equal.

Online Error Messages:

Key action FLAG MUST BE 'Y', 'N', OR BLANK.

Key action FLAG is entered as other than 'Y' or 'N'.

LINK DENIED; THE MAX # OF KEY ACT HAVE ALREADY BEEN ASSIGNED.

The action already has five **Key action NUMBER** values, and cannot add another as the key action number.

Batch Transaction Report Error Messages:

None.

4.9.24 LEAD AGENCY

LEAD AGENCY identifies the agency taking the lead role in tracking an Action Linking pathway to resolution.

Attributes: 1 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the "LEAD AGENCY" field on the multiple-action screen (the second action screen) when editing an Action Linking Pathway. **LEAD AGENCY** appears on all of the second action screens for all pathway types. Enter a value from the table below.

Batch: Transaction type 16, Sequence #3

In column 20, Enter a **LEAD AGENCY** code from the table below.

F - FEDERAL
J - JOINT
L - LOCAL
S - STATE

Online Error Messages:

INVALID LEAD AGENCY CODE.

LEAD AGENCY code entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LEAD AGENCY CODE.

LEAD AGENCY code entered is not one of the allowable values.

TRANSACTION ERROR - LEAD AGENCY CAN ONLY BE ENTERED ON A Key action.

LEAD AGENCY code is only applicable for the Key action for an Action Linking pathway.

4.9.25 VIOLATION IDENTIFIER

VIOLATION IDENTIFIER identifies the agency which identifies the resolution which lead to tracking an Action Linking pathway to resolution.

Attributes: 1 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION IDENTIFIER** on the multiple-action screen (the second action screen) when editing an Action Linking Pathway. **VIOLATION IDENTIFIER** appears on all the second action screens for all pathway types. Enter a value from the table below.

Batch: Transaction type 16, Sequence #3

In column 21, enter a VIOLATION IDENTIFIER code from the table below.

F - FEDERAL
J - JOINT
L - LOCAL
S - STATE

Online Error Messages:

INVALID VIOLATION IDENTIFIER CODE.

VIOLATION IDENTIFIER code entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION IDENTIFIER CODE.

VIOLATION IDENTIFIER code entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION IDENTIFIER CAN ONLY BE ENTERED ON A Key action.

VIOLATION IDENTIFIER code is only applicable for the Key action for an Action Linking pathway.

4.9.26 VIOLATION TYPE CODE 1

VIOLATION TYPE CODE 1 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 1** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 1** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 42-44, enter a **VIOLATION TYPE CODE 1** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 1 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 1 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 1 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 1 can only be applied to the Key action on an Action Linking Pathway.

4.9.27 VIOLATION TYPE CODE 2

VIOLATION TYPE CODE 2 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 2** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 2** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 45-47, enter a **VIOLATION TYPE CODE 2** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 2 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 2 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 2 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 2 can only be applied to the Key action on an Action Linking Pathway.

4.9.28 VIOLATION TYPE CODE 3

VIOLATION TYPE CODE 3 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 3** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 3** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 48-50, enter a **VIOLATION TYPE CODE 3** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 3 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 3 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 3 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 3 can only be applied to the Key action on an Action Linking Pathway.

4.9.29 VIOLATION TYPE CODE 4

VIOLATION TYPE CODE 4 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 4** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 4** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 51-53, enter a **VIOLATION TYPE CODE 4** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 4 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 4 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 4 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 4 can only be applied to the Key action on an Action Linking Pathway.

4.9.30 VIOLATION TYPE CODE 5

VIOLATION TYPE CODE 5 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 5** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 5** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 54-56, enter a **VIOLATION TYPE CODE 5** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 5 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 5 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 5 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 5 can only be applied to the Key action on an Action Linking Pathway.

4.9.31 VIOLATION TYPE CODE 6

VIOLATION TYPE CODE 6 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 6** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 6** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 57-59, enter a **VIOLATION TYPE CODE 6** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 6 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 6 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 6 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 6 can only be applied to the Key action on an Action Linking Pathway.

4.9.32 VIOLATION TYPE CODE 7

VIOLATION TYPE CODE 7 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter a value for the **VIOLATION TYPE CODE 7** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 7** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 16, Sequence #4

In columns 60-62, enter a **VIOLATION TYPE CODE 7** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 7 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 7 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 7 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 7 can only be applied to the Key action on an Action Linking Pathway.

4.9.33 **DOCUMENT NUMBER**

DOCUMENT NUMBER identifies a consent decree or administrative order which was issued in regard to a Consent Decree/Administrative Order pathway for Action Linking.

Attributes: 14 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter up to 14 characters for the **DOCUMENT NUMBER** on the multiple-action screen (the second action screen) when editing a Consent Decree/Administrative Order Action Linking Pathway.

Batch: Transaction type 16, Sequence #3

Enter up to 14 characters in the **DOCUMENT NUMBER** field in columns 29-42 for a Consent Decree/Administrative Order Key action.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DOCUMENT NUMBERS CANNOT BE ENTERED FOR A VIOLATION AND ADMINISTRATIVE PENALTY PATHWAY.

DOCUMENT NUMBER is not applicable to a High Priority Violation and Administrative Penalty action pathway.

TRANSACTION ERROR - DOCUMENT NUMBER CAN ONLY BE ENTERED ON A KEY ACTION.

DOCUMENT NUMBER can only be applied to the Key action on an Action Linking Pathway.

4.9.34 VIOLATING POLLUTANTS

VIOLATING POLLUTANTS identifies a pollutant for the air program which has been identified as being in violation. This code enables a historical record of which pollutants were associated with the violation to be maintained. Initially these pollutants are generated from air program pollutant records which are in violation.

Attributes: 5 character code
Not required.

Coding Instructions:

Online: Screen 306

Enter up to 5 characters each for each of the possible three **VIOLATING POLLUTANTS** on the multiple-action screen (the second action screen) when editing a key action that is associated with an air program which is in violation.

Batch: Transaction type 16, Sequence #3

Enter up to 5 characters each for each of the three possible **VIOLATING POLLUTANTS** fields in columns 43-57 for a key action that is associated with an air program which is in violation.

Online Error Messages:

UNIQUE VALUES MUST BE SUPPLIED FOR VIOLATING POLLUTANTS.

VIOLATING POLLUTANTS cannot be repeated.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UNIQUE VALUES MUST BE SUPPLIED FOR VIOLATING POLLUTANTS.

VIOLATING POLLUTANTS cannot be repeated.

4.9.35 **REGIONAL DATA ELEMENT 16**

REGIONAL DATA ELEMENT 16 is an optional field defined by users and used to maintain information relating to plant level actions.

Attributes: 25 character code
 Not required.

Coding Instructions:

Online: Screen 306

 In the 'RDE 16' field found on the Plant Action screen, enter up to 25 characters for
REGIONAL DATA ELEMENT 16.

Batch: Transaction type 16, Sequence #4

 In column 17-41, enter up to 25 characters for **REGIONAL DATA ELEMENT 16**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.10 Update AFS Plant Comment

AFS comment supports the maintenance of up to 240 characters of comment information pertaining to the plant. Through the use of the comment "emissions/compliance" identifier, specific comments can be designated as applicable (and owned) by emissions or compliance users.

Common Data Field

In cases where the comment information describes a particular aspect of a previously identified compliance activity, the data fields **ACTION NUMBER** and **COMMENT NUMBER** serve as the common data elements to associate all AFS Plant Air Comment fields and therefore must be referenced in all batch update transactions.

Otherwise, in the case of general comments (those not related to a previously identified compliance activity), the data field **COMMENT NUMBER** serves as the common data element to associate all AFS Plant Air Comment fields and therefore must be referenced in all batch update transactions.

4.10.1 ACTION NUMBER

ACTION NUMBER is a unique three-digit number compliance action identifier.

Attributes: 3 digit code
 Not required

Coding Instructions:

An **ACTION NUMBER** should be entered when AFS Plant Comment Information describes a specific plant level compliance activity.

Online: Screen 307

In the 'ACTION NUMBER' field found on the Plant Comment Information screen, enter a 3 digit value for **ACTION NUMBER**.

Batch: Transaction type 17, Sequence #1-4

In columns 14-16, enter a 3 digit value for **ACTION NUMBER**.

Online Error Messages:

INVALID ACTION NUMBER.

ACTION NUMBER must be numeric.

ACTION DOES NOT EXIST FOR PLANT.

ACTION NUMBER must previously exist for the plant. This information would be entered into AFS Plant Action Information either online at screen 306 or by batch transaction type 16, sequence number 1. See Section 4.9 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID ACTION NUMBER.

ACTION NUMBER must be numeric.

TRANSACTION ERROR - ACTION DOES NOT EXIST FOR PLANT.

ACTION NUMBER must previously exist for the plant. This information would be entered into AFS Plant Action Information either online at screen 306 or by batch transaction type 16, sequence number 1. See Section 4.9 in the AFS User's Guide AF2 for specific instructions.

4.10.2 **COMMENT NUMBER**

COMMENT NUMBER is a unique three-digit numeric comment identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 307

In the 'COMMENT NUMBER' field found on the Plant Comment Information screen, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Batch: Transaction type 17, Sequence #1-4

In columns, 19-21, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Online Error Messages:

INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Plant Comment Information so that each plant level comment is uniquely identified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Plant Comment Information so that each plant level comment is uniquely identified.

4.10.3 **COMMENT IDENTIFIER**

COMMENT IDENTIFIER is a one-character field used to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 307

In the 'COMMENT IDENTIFIER' field found on the Plant Comment Information screen, enter an valid value for **COMMENT IDENTIFIER** from the list below.

Batch: Transaction type 17, Sequence #1-4

In column 22, enter a valid value for **COMMENT IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION

Online Error Messages:

COMMENT IDENTIFIER must be 'C' or 'E'.

COMMENT IDENTIFIER must be a 'C' or 'E' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMMENT IDENTIFIER must be 'C' or 'E'.

COMMENT IDENTIFIER must be a 'C' or 'E' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

4.10.4 **COMMENT**

COMMENT is an optional field which permits the user to enter additional information. Online comments consist of four lines, each of which can hold up to sixty characters. Batch comments are entered using up to four comment transactions, each of which contains up to 54 characters.

Attributes: 55 character code
 Not required

Coding Instructions:

Online: Screen 307

 In the 'COMMENT' field found on the Plant Comment Information screen, enter up to 240 characters for **COMMENT**.

Batch: Transaction type 17, Sequence #1,2,3 and/or 4

 In columns 23-77, enter up to 54 characters for **COMMENT**, line 1.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

4.10.5 ENFORCEMENT SENSITIVE INDICATOR

ENFORCEMENT SENSITIVE INDICATOR is a one-character field used to indicate if a compliance comment is considered enforcement sensitive.

Attributes: 1 character code
Not Required (defaults to 'N' - not sensitive) Update sensitive access required to enter a value of 'Y'.

Coding Instructions:

Online: Screen 307

In the 'ENFORCEMENT SENSITIVE INDICATOR' field found on the Plant Comment Information screen, enter 'Y' or 'N'.

Batch: Transaction type 17, Sequence #1

In column 78, enter 'Y' or 'N' for **ENFORCEMENT SENSITIVE INDICATOR**. The indicator will default to 'N' if left blank when the record is added.

Online Error Messages:

ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'. The indicator will default to 'N' if left blank when the record is added.

4.11 Update AFS Plant HPV

AFS HPV can handle up to 12 occurrences of high priority violator information pertaining to the plant. The first occurrence is the current violation and the other 11 occurrences are historical information about violations.

4.11.1 HPV FLAG

HPV FLAG is the value indicating major sources that are considered "high priority violators", and identifying the lead enforcement agency.

Attributes: 1 digit code
Required

Coding Instructions:

Online: Screen 314

In the 'HPV' field found on the Plant High Priority Violator Update Utility screen, enter a 1 digit value for **HPV FLAG**.

Valid values are:

B	UNADDRESSED-EPA & STATE SHARE LEAD ENFORCEMENT
C	ADDRESSED-EPA & STATE SHARE LEAD ENFORCEMENT
E	UNADDRESSED-EPA HAS LEAD ENFORCEMENT
F	ADDRESSED-EPA HAS LEAD ENFORCEMENT
S	UNADDRESSED-STATE/LOCAL HAS LEAD ENFORCEMENT
T	ADDRESSED-STATE/LOCAL HAS LEAD ENFORCEMENT
X	UNADDRESSED-UNASSIGNED LEAD ENFORCEMENT
BLANK	RESOLVED

Batch: None

Online Error Messages:

INVALID HIGH PRIORITY VIOLATOR VALUE.

HPV FLAG must be a value in the list above.

4.11.2 HPV EFFECTIVE DATE

HPV EFFECTIVE DATE is the date achieved associated with the HPV Flag.

Attributes: 8 character date
Required

Coding Instructions:

Online: Screen 314

In the 'EFFECT DATE' field found on the Plant High Priority Violator Update Utility screen, enter a date in YYYYMMDD format.

Batch: None

Online Error Messages:

INVALID EFFECTIVE DATE.

EFFECTIVE DATE must be a valid numeric date in the YYYYMMDD format.

HPV EFFECTIVE DATE MUST BE ENTERED.

EFFECTIVE DATE must be entered when the HPV FLAG is entered.

HPV EFFECTIVE DATE CANNOT BE IN THE FUTURE.

EFFECTIVE DATE must be equal to or less than the current system date.

HPV EFFECTIVE DATE MUST BE ENTERED WITH ACTION NUMBER.

EFFECTIVE DATE must be entered when the ACTION NUMBER IS ENTERED.

4.11.3 HPV ACTION NUMBER

HPV ACTION NUMBER is the action number from the plant action record that is associated with the HPV Flag.

Attributes: 3 characters
 Not Required

Coding Instructions:

Online: Screen 314

In the 'ACTION' field found on the Plant High Priority Violator Update Utility screen, enter a 3 character action number.

Batch: None

Online Error Messages:

HPV ACTION NUMBER MUST BE '001' THROUGH '998'.

ACTION NUMBER MUST BE '001' THROUGH '998'.

4.11.4 HPV FLAG UPDATED BY USER

HPV FLAG UPDATED BY USER is the user id of the user who is updating the HPV Flag record.

Attributes: 3 characters
 Not editable

Coding Instructions:

Online: Screen 314

In the 'USER' field found on the Plant High Priority Violator Update Utility screen, the system will generate the field with the user's 3-character User ID.

Batch: None

Online Error Messages:

None.

4.11.5 HPV FLAG UPDATED DATE

DATE FLAG IS UPDATED is the system date when the HPV Flag record is updated.

Attributes: 8 character date in YYYYMMDD format
 Not editable

Coding Instructions:

Online: Screen 314

In the 'DATE MOD' field found on the Plant High Priority Violator Update Utility screen, the system will generate the field with the current system date.

Batch: None

Online Error Messages:

None.

4.11.6 HPV FLAG SOURCE

HPV FLAG SOURCE is the value indicating the source of the HPV Flag record.

Attributes: 1 character
 Not editable

Coding Instructions:

Online: Screen 314

In the 'SOURCE' field found on the Plant High Priority Violator Update Utility screen, the system will generate the field.

Valid values are:

U	USER UPDATED THE FLAG USING THE UPDATE PLANT HPV UTILITY
S	SYSTEM GENERATED

Batch: None

Online Error Messages:

None.

4.12 Update AFS Plant Compliance Monitoring Strategy (CMS)

CMS data forms the basis for planning, implementing and evaluating stationary source air compliance monitoring programs. AFS supports the data collection activities associated with identifying facilities and conducting full compliance evaluations.

4.12.1 CMS SOURCE CATEGORY

CMS SOURCE CATEGORY indicates the source category to which a facility subject to CMS belongs.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 315

In the 'CMS SOURCE CATEGORY' field found on the Plant CMS Update screen, enter a 1 character value for **CMS SOURCE CATEGORY**.

Valid values are:

A	TITLE V MAJOR
S	80% SYNTHETIC MINOR
M	MEGA-SITE
O	OTHER

Batch: Transaction type 18, Sequence #1

In column 14, enter a valid 1 character CMS SOURCE CATEGORY.

Online and Batch Error Messages:

INVALID CMS SOURCE CATEGORY CODE.

CMS SOURCE CATEGORY must be a value in the list above.

SOURCE CATEGORY REQUIRED IF MINIMUM FREQUENCY ENTERED.

CMS SOURCE CATEGORY must be entered when the MINIMUM FREQUENCY is entered.

4.12.2 CMS MINIMUM FREQUENCY INDICATOR

CMS MINIMUM FREQUENCY INDICATOR is the number of years allowable between full compliance evaluations.

Attributes: 1 digit number
Required

Coding Instructions:

Online: Screen 315

In the 'MINIMUM FREQUENCY' field found on the Plant CMS Update screen, enter a valid number between 1 and 9.

Batch: Transaction type 18, sequence #1

In column 15, enter a valid number between 1 and 9.

Online and Batch Error Messages:

INVALID CMS MINIMUM FREQUENCY INDICATOR VALUE.

MINIMUM FREQUENCY must be a valid number between 1 and 9.

MINIMUM FREQUENCY REQUIRED IF SOURCE CATEGORY ENTERED.

MINIMUM FREQUENCY must be entered when the SOURCE CATEGORY is entered.

4.12.3 FISCAL YEAR OF FULL COMPLIANCE EVALUATION

FISCAL YEAR OF FULL COMPLIANCE EVALUATION is the year that a full compliance evaluation has been scheduled as defined in the CMS plan.

Attributes: 4 digit year
 Not Required

Coding Instructions:

Online: Screen 315

In the 'FISCAL YEAR OF FCE [A-E]' fields found on the Plant CMS Update screen, enter a valid 4 digit year.

Batch: Transaction type 18, Sequence #1

In columns 16-19 for Year A, columns 21-24 for Year B, columns 26-29 for Year C, columns 31-34 for Year D, columns 36-39 for Year E, enter valid 4 digit years.

Online and Batch Error Messages:

FISCAL YEAR [A-E] MUST BE VALID YEAR >= 2002.

FISCAL YEAR OF FCE must be a valid numeric year greater than or equal to year 2002.

FISCAL YEAR [A-E] REQUIRED IF ON-SITE INDICATOR ENTERED.

FISCAL YEAR OF FCE must be entered when the associated ON-SITE INDICATOR is entered.

4.12.4 ON-SITE VISIT INDICATOR

ON-SITE VISIT INDICATOR is used to identify if an on-site visit is planned for a given fiscal year.

Attributes: 1 character Y/N value - default is Y
Not Required

Coding Instructions:

Online: Screen 315

In the 'ON-SITE VISIT INDICATOR [A-E]' fields found on the Plant CMS Update screen, enter a Y or N.

Batch: Transaction type 18, Sequence #1

In column 20 for Year A, column 25 for Year B, column 30 for Year C, column 35 for Year D, column 40 for Year E, enter Y or N.

Online and Batch Error Messages:

FISCAL YEAR [A-E] ON-SITE INDICATOR VALUE MUST BE Y or N.

ON-SITE VISIT INDICATOR must be a Y or N or blank. Blank will default to Y.

4.12.5 **CMS COMMENT**

CMS COMMENT is an optional field which allows users to enter additional information about the CMS record.

Attributes: 39 character text field
 Not Required

Coding Instructions:

Online: Screen 315

In the 'COMMENT' field found on the Plant CMS Update screen, enter text up to 39 characters long.

Batch: Transaction type 18, Sequence #1

In columns 41-79, enter text up to 39 characters long.

Online and Batch Error Messages:

None.

5.0 Stack Level Transactions

AFS maintains emissions data pertaining to stacks and vents within facilities monitored by EPA and State agencies under each agency's emission inventory programs. Stack level data provide information about the stack, such as its location, exit gas parameters, height and construction, inventoried pollutants, and comments. Stack level online screens and batch update transactions are used to update record-specific data fields. The online screens, batch transaction types, and associated data fields are as follows:

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
<u>AFS General Stack</u>	320	20
Stack ID		
Stack Height		
Stack Diameter		
Exit Gas Temperature		
Gas Flow Rate		
Exit Gas Velocity		
Emission Recorder		
Plume Height		
Stack Lining		
Stack Type Code		
Rough Terrain Indicator		
Stack Description		
UTM Horizontal Coordinate		
UTM Vertical Coordinate		
Latitude		
Longitude		
G.E.P Stack Height		
G.E.P Building Height		
G.E.P Building Length		
G.E.P Building Width		

AFS Data Coding

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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<u>AFS Stack Pollutant</u>	321	21
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Pollutant Code/
 CAS Number
 Emissions Type
 Emissions Value
 Decimal Position (batch only)
 Units Code
 Method Code
 State Private Indicator

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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<u>AFS Stack Comment</u>	322	27
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Stack Number
 Comment Number
 Comment Identifier
 Comment
 Enforcement Sensitive Indicator
 State Private Indicator
 Online Update

Common Elements

State/County/Source
 Transaction
 Sequence
 State/Private Indicator
 Update Code

The AFS Stack Level data batch transaction types, screens, and associated data are described in Section 5 as follows. Please note that descriptions of mandatory data common to all AFS batch transactions are described in Section 3.

5.1 Update AFS Stack General

AFS Stack General records contain physical descriptive data on stack and vents, including stack height, gas flow and volume and other general descriptive values.

5.1.1 Common Data Field

The data field **STACK NUMBER** serves as the common data element to associate all related AFS Stack Level records and therefore must be referenced in all batch update transactions.

5.1.1.1 STACK NUMBER

STACK NUMBER is used to uniquely identify stacks within a plant.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 320

In the 'STACK NUMBER' field found on the General Stack Information screen, enter 0 - 999. The use of 999 will cause AFS to automatically generate the next available stack number for the updating of a stack record.

Batch: Transaction type 20, Sequence #1

In column 16-18, enter 0 - 999 for **STACK NUMBER**. The use of 999 will cause AFS to automatically generate the next available stack number for the updating of a stack record.

Online Error Messages:

INVALID STACK NUMBER.

An invalid **STACK NUMBER** was entered.

STACK NUMBER IS REQUIRED.

A **STACK NUMBER** must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STACK NUMBER.

An invalid **STACK NUMBER** was entered.

TRANSACTION ERROR - STACK NUMBER IS REQUIRED.

A **STACK NUMBER** must be entered.

5.1.2 **STACK HEIGHT**

STACK HEIGHT is the vertical distance between the point of discharge and the ground, when it can be identified. If no definable stack height exists:

- 1) Enter a value of zero for stack height and stack diameter,
- 2) Supply a value for plume height.

Attributes: 4 digit numeric
Required, unless plume height is supplied

Coding Instructions:

Online: Screen 320

In the 'STACK HEIGHT' field found on the General Stack Information screen, enter a minimum of 0 Feet to a maximum of 1,250 Feet.

Batch: Transaction type 20, Sequence #1

In columns 19 - 22, enter a minimum of 0 Feet to a maximum of 1,250 Feet for **STACK HEIGHT**.

Online Error Messages:

STACK HEIGHT MUST BE NUMERIC

STACK HEIGHT must be a numeric value.

STACK HEIGHT MUST BE LESS THAN OR EQUAL TO 1250.

STACK HEIGHT must be less than or equal to 1250.

STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

STACK HEIGHT is required with diameter if plume height is not entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STACK HEIGHT MUST BE NUMERIC.

STACK HEIGHT must be a numeric value.

TRANSACTION ERROR - STACK HEIGHT MUST BE LESS THAN OR EQUAL TO 1250.

STACK HEIGHT must be less than or equal to 1250.

TRANSACTION ERROR - STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

STACK HEIGHT is required with diameter if a plume height is not entered.

5.1.3 **STACK DIAMETER**

STACK DIAMETER is the inside diameter of a round gas exit point of emission, measured in feet. If the exit is not round, calculate $D = 1.128 \text{ square root of } A$; where A = cross-sectional area in square feet and D = equivalent diameter.

Attributes: 4 digit numeric
Required, unless plume height is supplied.

Coding Instructions:

Online: Screen 320

In the 'STACK DIAMETER' field on the General Stack Information screen, enter a valid value between .01 - 99.99.

Batch: Transaction type 20, Sequence #1

In columns 23 - 26, enter a valid value between .01 - 99.99 for **STACK DIAMETER**.

Online Error Messages:

STACK HEIGHT MUST BE A NUMERIC - FORMAT 99.99.

STACK DIAMETER must be a numeric value - format 99.99.

STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

STACK DIAMETER is required with height if a plume height is not entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STACK HEIGHT MUST BE A NUMERIC - FORMAT 99.99.

STACK DIAMETER must be a numeric value - format 99.99.

TRANSACTION ERROR - STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

STACK DIAMETER is required with height if a plume height is not entered.

5.1.4 **STACK EXIT GAS TEMPERATURE (°F)**

STACK EXIT GAS TEMPERATURE (°F) is the temperature of the exhaust stream at the stack exit, under normal operating conditions.

Attributes: 4 digit numeric
 Not required

Coding Instructions:

Online: Screen 320

 In the 'STACK EXIT GAS TEMPERATURE (°F)' field found on the General Stack Information screen, enter 0 - 9999.

Batch: Transaction type 20, Sequence #1

 In columns 27 - 30, enter 0 - 9999 for **STACK EXIT GAS TEMPERATURE (°F)**.

Online Error Messages:

EXIT GAS TEMPERATURE MUST BE NUMERIC - FORMAT 9999.

STACK EXIT GAS TEMPERATURE must be a numeric value - format 9999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EXIT GAS TEMPERATURE MUST BE NUMERIC - FORMAT 9999.

STACK EXIT GAS TEMPERATURE must be a numeric value - format 9999.

5.1.5 **STACK GAS FLOW RATE (ACFM)**

STACK GAS FLOW RATE (ACFM) is the total volume of exhaust gas released at the operating temperature and normal atmospheric pressure for the stack.

Attributes: 7 digit numeric
 Not required

Coding Instructions:

Online: Screen 320

In the 'STACK GAS FLOW RATE (ACFM)' field found on the General Stack Information screen, enter 0 - 9999999.

Batch: Transaction type 20, Sequence #1

In columns 31 - 37, enter 0 - 9999999 for **STACK GAS FLOW RATE (ACFM)**.

Online Error Messages:

GAS FLOW RATE MUST BE A NUMERIC - FORMAT 99999999.

STACK GAS FLOW RATE must be a numeric value - format 99999999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - GAS FLOW RATE MUST BE A NUMERIC - FORMAT 99999999.

STACK GAS FLOW RATE must be a numeric value - format 99999999.

5.1.6 **STACK EXIT GAS VELOCITY (FT/SEC)**

STACK EXIT GAS VELOCITY (FT/SEC) is the exhaust gas velocity for a stack. If the actual measurement is not available, use the design or maximum value.

Attributes: 4 digit numeric
 Not required

Coding Instructions:

Online: Screen 320

In the '**STACK EXIT GAS VELOCITY (FT/SEC)**' field found on the General Stack Information screen, enter 0 - 999.9.

Batch: Transaction type 20, Sequence #1

In columns 38 - 41, enter 0 - 999.9 for **STACK EXIT GAS VELOCITY (FT/SEC)**.

Online Error Messages:

EXIT GAS VELOCITY MUST BE NUMERIC - FORMAT 999.9

STACK EXIT GAS VELOCITY must be a numeric value - format 999.9.

Batch Transactions Report Error Messages:

TRANSACTION ERROR - EXIT GAS VELOCITY MUST BE NUMERIC - FORMAT 999.9.

STACK EXIT GAS VELOCITY must be a numeric value - format 999.9.

5.1.7 **STACK EMISSION RECORDER**

STACK EMISSION RECORDER is a one-character code indicating the presence or absence of a stack emission recorder.

Attributes: 1 character numeric
 Not required

Coding Instructions:

Online: Screen 320

In the '**STACK EMISSION RECORDER**' field found on the General Stack Information screen, enter 'Y' or 'N'.

Batch: Transaction type 20, Sequence #1

In column 42, enter 'Y' or 'N' for **STACK EMISSION RECORDER**.

Online Error Messages:

STACK EMISSION RECORDER MUST BE 'Y' OR 'N'.

STACK EMISSION RECORDER must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STACK EMISSION RECORDER MUST BE 'Y' OR 'N'.

STACK EMISSION RECORDER must be 'Y' or 'N'.

5.1.8 PLUME HEIGHT (FT)

PLUME HEIGHT is an estimate of the height at which pollutants are released when no definable stack height exists.

Attributes: 4 digit numeric
Not required, unless stack height and diameter are not supplied.

Coding Instructions:

Online: Screen 320

In the '**PLUME HEIGHT (FT)**' field found on the General Stack Information screen, enter 0 - 200.

Batch: Transaction type 20, Sequence #1

In columns 43 - 46, enter 0 - 200 for **PLUME HEIGHT**.

Online Error Messages:

PLUME HEIGHT MUST BE NUMERIC - FORMAT 9999.

PLUME HEIGHT must be a numeric value - format 9999.

STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

PLUME HEIGHT is required if stack height and stack diameter are not entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PLUME HEIGHT MUST BE NUMERIC - FORMAT 9999.

PLUME HEIGHT must be a numeric value - format 9999.

TRANSACTION ERROR - STACK HEIGHT AND DIAMETER AND/OR PLUME HEIGHT ARE REQUIRED.

PLUME HEIGHT is required if stack height and stack diameter are not entered.

5.1.9 **STACK LINING**

STACK LINING is a one-character code indicating the material of the stack.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 320

In the, 'STACK LINING' field found on the General Stack Information screen, enter a **STACK LINING** from the list below.

Batch: Transaction type 20, Sequence #1

In column 47, enter a valid value for **STACK LINING** from the list below.

- 1 - METAL
- 2 - REFRACTORY
- 3 - OTHER

Definitions:

REFRACTORY - Any of various heat resistant materials including brick or fire clay.

Online Error Messages:

INVALID STACK LINING.

An invalid value was entered for **STACK LINING**.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STACK LINING.

An invalid value was entered for **STACK LINING**.

5.1.10 **STACK TYPE CODE**

STACK TYPE CODE is a one-character code identifying stack design, based on the physical characteristics of a stack.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 320

In the '**STACK TYPE CODE**' field found on the General Stack Information screen, enter a **STACK TYPE CODE** from the list below.

Batch: Transaction type 20, Sequence #1

In column 48, enter a **STACK TYPE CODE** from the following list:

- D - A STACK DISCHARGING DOWNWARD, OR NEARLY DOWNWARD
- E - AN EQUIVALENT STACK REPRESENTING A COMBINATION OF MULTIPLE ACTUAL STACKS
- F - FUGITIVE EMISSIONS, NO STACK EXITS
- H - A STACK DISCHARGING IN A HORIZONTAL, OR NEARLY HORIZONTAL DIRECTION
- P - A PROCESS VENT, NOT OTHERWISE CLASSIFIED
- R - A BUILDING ROOF VENT
- V - A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL, OR NEARLY VERTICAL DIRECTION
- W - A VERTICAL STACK WITH A WEATHER CAP OR SIMILAR OBSTRUCTION IN THE EXHAUST STREAM

Online Error Messages:

INVALID STACK TYPE CODE.

STACK TYPE CODE must be the valid code, from listed above.

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Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STACK TYPE CODE

STACK TYPE CODE must be the valid code, from listed above.

5.1.11 ROUGH TERRAIN INDICATOR

ROUGH TERRAIN INDICATOR indicates whether or not a stack is located in rough terrain.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 320

 In the 'ROUGH TERRAIN INDICATOR' field found on the General Stack Information screen, enter 'Y' or 'N'.

Batch: Transaction type 20, Sequence #1

 In column 49, enter 'Y' or 'N' for **ROUGH TERRAIN INDICATOR**.

Online Error Messages:

ROUGH TERRAIN INDICATOR MUST BE 'Y' OR 'N'.

ROUGH TERRAIN INDICATOR must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ROUGH TERRAIN INDICATOR MUST BE 'Y' OR 'N'.

ROUGH TERRAIN INDICATOR must be 'Y' or 'N'.

5.1.12 **STACK DESCRIPTION**

STACK DESCRIPTION is a description of the stack.

Attributes: 25 character code
 Not required

Coding Instructions:

Online: Screen 320

In the 'STACK DESCRIPTION' field found on the General Stack Information screen, enter up to 25 alphanumeric characters.

Batch: Transaction type 20, Sequence #1

In columns 50 - 74, enter up to 25 alphanumeric characters for **STACK DESCRIPTION**.

Online Error Messages:

None

Batch Transaction Report Error Messages:

None

5.1.13 UTM HORIZONTAL COORDINATE (KM)

UTM HORIZONTAL COORDINATE (KM) is the horizontal (easting) coordinate for the UTM measurement of the plant or stack.

THE PLANT **UTM HORIZONTAL COORDINATE** MUST BE WITHIN THE VALID RANGE FOR A STATE ON THE AFS UTM TABLE MAINTAINED WITHIN AFS IN THE AFS TABLE FILE. VALID VALUES ARE AVAILABLE THROUGH AFS UTILITY MENU SELECTION OPTION 11 (TABLE LOOKUP) OR BY PLACING "?" IN THE FIRST CHARACTER OF THE ONLINE DATA FIELD.

PLANT AND/OR STACK **UTM HORIZONTAL COORDINATES** MUST BE CONTAINED WITHIN THE VALID RANGE FOR THE UTM ZONE MAINTAINED FOR THE PLANT, AS DEFINED IN THE AFS PLANT GENERAL RECORD.

Attributes: 5 digit code
 Not required, unless UTM VERTICAL Coordinate is supplied.

Coding Instructions:

Online: Screen 320

In the '**UTM HORIZONTAL COORDINATE (KM)**' field found on the General Stack Information screen, enter a valid **UTM HORIZONTAL COORDINATE (KM)**.

Batch: Transaction type 20, Sequence #2

In columns 19 - 23, enter a valid **UTM HORIZONTAL COORDINATE (KM)** as follows. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

UTM COORDINATES ARE NOT WITHIN UTM ZONE FOR PLANT.

The **UTM HORIZONTAL COORDINATE** is not within the UTM zone for the plant.

UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM HORIZONTAL COORDINATE must be a numeric value and is required when UTM VERTICAL is entered.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UTM COORDINATES ARE NOT WITHIN UTM ZONE FOR PLANT.

The **UTM HORIZONTAL COORDINATE** is not within the UTM zone for the plant.

TRANSACTION ERROR - UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM HORIZONTAL COORDINATE must be a numeric value and is required when UTM VERTICAL is entered.

TRANSACTION ERROR - LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A transaction error message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

5.1.14 UTM VERTICAL COORDINATE (KM)

UTM VERTICAL COORDINATE (KM) is the vertical (northing) coordinate for the UTM measurement of the plant or stack.

THE PLANT **UTM VERTICAL COORDINATE** MUST BE WITHIN THE VALID RANGE FOR A STATE ON THE AFS UTM TABLE MAINTAINED WITHIN THE AFS TABLE FILE. VALID VALUES ARE AVAILABLE THROUGH AFS UTILITY MENU SELECTION OPTION 11 (TABLE LOOKUP) OR BY PLACING "?" IN THE FIRST CHARACTER OF THE ONLINE DATA FIELD.

PLANT AND/OR STACK **UTM VERTICAL COORDINATES** MUST BE CONTAINED WITHIN THE VALID RANGE FOR THE UTM ZONE MAINTAINED FOR THE PLANT, AS DEFINED IN THE AFS PLANT GENERAL RECORD.

Attributes: 4.1 digit code
 Not required, unless UTM HORIZONTAL Coordinate is supplied.

Coding Instructions:

Online: Screen 320

In the '**UTM VERTICAL COORDINATE (KM)**' field found on the General Stack Information screen, enter a valid **UTM VERTICAL COORDINATE (KM)**.

Batch: Transaction type 20, Sequence #2

In columns 24 - 29, enter a valid **UTM VERTICAL COORDINATE (KM)** as follows. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

UTM COORDINATES ARE NOT WITHIN UTM ZONE FOR PLANT.

The **UTM Vertical Coordinate** is not within the UTM zone for the plant.

UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM VERTICAL COORDINATES must be a numeric value and is required when UTM HORIZONTAL is entered.

WARNING: LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A warning message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

TRANSACTION ERROR - LATITUDE/LONGITUDE CALCULATED FROM UTM'S NOT WITHIN RANGE FOR COUNTY.

A transaction error message is issued if LATITUDE/LONGITUDE computed from **UTM HORIZONTAL COORDINATE** does not exist on the FIPS Area Table for the county.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UTM COORDINATES ARE NOT WITHIN UTM ZONE FOR PLANT.

The **UTM Vertical Coordinate** is not within the UTM zone for the plant.

TRANSACTION ERROR - UTM COORDINATES ARE BOTH REQUIRED AND MUST BE NUMERIC.

UTM VERTICAL COORDINATE must be a numeric value and is required when UTM HORIZONTAL is entered.

5.1.15 **LATITUDE COORDINATE (DDMMSS)**

LATITUDE COORDINATE (DDMMSS) is a latitude coordinate used to define the location of a plant or stack.

THE **LATITUDE COORDINATE** VALUE MUST BE WITHIN THE VALID RANGE FOR A STATE AS MAINTAINED ON THE AFS LAT-LONG TABLE. VALID VALUES ARE AVAILABLE THROUGH AFS UTILITY MENU SELECTION OPTION 11 (TABLE LOOKUP) OR BY PLACING "?" IN THE FIRST CHARACTER OF THE ONLINE DATA FIELD. THE STACK **LATITUDE COORDINATE** VALUE MUST BE WITHIN THE LATITUDE AREA (IF GIVEN IN THE AFS PLANT GENERAL RECORD) PROVIDED FOR THE PLANT.

Attributes: 6 digit code
 Not required, unless Longitude Coordinate is supplied.

Coding Instructions:

Online: Screen 320

In the 'LATITUDE COORDINATE (DDMMSS)' field found on the General Stack Information screen, enter a valid **LATITUDE COORDINATE (DDMMSS)**.

Batch: Transaction type 20, Sequence #2

In columns 30 - 35, enter a valid **LATITUDE COORDINATE** in the following format. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

LONGITUDE COORDINATE MUST BE ENTERED WITH A LATITUDE COORDINATE.

A longitude coordinate must be entered if a **LATITUDE COORDINATE** is entered.

LATITUDE COORDINATE MUST BE NUMERIC - FORMAT 99:99:99.

LATITUDE COORDINATE must be a numeric value - format 99:99:99.

WARNING: LATITUDE NOT WITHIN RANGE FOR THE COUNTY

A warning message is issued if the **LATITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

INVALID LATITUDE COORDINATE.

The **LATITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LONGITUDE COORDINATE MUST BE ENTERED WITH A LATITUDE COORDINATE.

A longitude coordinate must be entered if a **LATITUDE COORDINATE** is entered.

TRANSACTION ERROR - LATITUDE COORDINATE MUST BE NUMERIC - FORMAT 99:99:99.

LONGITUDE COORDINATE must be a numeric value - format 99:99:99.

WARNING: LATITUDE NOT WITHIN RANGE FOR THE COUNTY

A warning message is issued if the **LATITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

TRANSACTION ERROR - INVALID LATITUDE COORDINATE.

The **LATITUDE COORDINATE** must exist on the AFS LATITUDE-LONGITUDE Table.

5.1.16 **LONGITUDE COORDINATE (DDMMSS)**

LONGITUDE COORDINATE (DDMMSS) is a longitude coordinate used to define the location of a plant or stack.

THE LONGITUDE COORDINATE MUST BE WITHIN THE VALID RANGE FOR A STATE AS MAINTAINED ON THE AFS LAT-LONG TABLE FILE. VALID VALUES ARE AVAILABLE THROUGH AFS UTILITY MENU SELECTION OPTION 11 (TABLE LOOKUP) OR BY PLACING "?" IN THE FIRST CHARACTER OF THE ONLINE DATA FIELD. THE STACK LONGITUDE COORDINATE VALUE MUST BE WITHIN THE LONGITUDE AREA (IF GIVEN IN THE AFS PLANT GENERAL RECORD) PROVIDED FOR THE PLANT.

Attributes: 7 digit code
 Not required, unless latitude coordinate is supplied.

Coding Instructions:

Online: Screen 320

In the 'LONGITUDE COORDINATE (DDMMSS)' field found on the General Stack Information screen, enter a valid **LONGITUDE COORDINATE (DDMMSS)**.

Batch: Transaction type 20, Sequence #2

In columns 36 - 42, enter a valid **LONGITUDE COORDINATE (DDMMSS)** in the following format. Latitude and Longitude Coordinates will be ignored if UTM Horizontal and Vertical Coordinates are supplied.

Online Error Messages:

INVALID LONGITUDE COORDINATE.

A **LONGITUDE COORDINATE (DDMMSS)** must exist on the AFS LATITUDE-LONGITUDE Table.

LONGITUDE MUST BE NUMERIC - FORMAT 99:99:99.

LONGITUDE COORDINATE (DDMMSS) must be a numeric value - format 99:99:99.

WARNING: LONGITUDE NOT WITHIN RANGE FOR THE COUNTY

A warning message is issued if the **LONGITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

LATITUDE COORDINATE MUST BE ENTERED WITH A LONGITUDE COORDINATE.

A LATITUDE COORDINATE must be entered if a **LONGITUDE COORDINATE** is entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LONGITUDE COORDINATE.

A **LONGITUDE COORDINATE (DDMMSS)** must exist on the AFS LATITUDE-LONGITUDE Table .

TRANSACTION ERROR - LONGITUDE MUST BE NUMERIC - FORMAT 99:99:99.

LONGITUDE COORDINATE (DDMMSS) must be a numeric value - format 99:99:99.

WARNING: LONGITUDE NOT WITHIN RANGE FOR THE COUNTY

A warning message is issued if the **LONGITUDE COORDINATE** does not exist on the FIPS Area Table for the county.

TRANSACTION ERROR - LATITUDE COORDINATE MUST BE ENTERED WITH A LONGITUDE COORDINATE.

A LATITUDE COORDINATE must be entered if a **LONGITUDE COORDINATE** is entered.

5.1.17 **G.E.P. STACK HEIGHT (FT)**

G.E.P. STACK HEIGHT (FT) is the Good Engineering Practice (G.E.P.) calculation for stack height.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 320

In the 'G.E.P. STACK HEIGHT (FT)' found on the General Stack Information screen,
enter 0 - 9999.

Batch: Transaction type 20, Sequence #2

In column 43 - 46, enter 0 - 9999 for **G.E.P. STACK HEIGHT (FT)**.

Online Error Messages:

G.E.P. STACK HEIGHT MUST BE NUMERIC - FORMAT 9999.

G.E.P. STACK HEIGHT must be a numeric value - format 9999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - G.E.P. STACK HEIGHT MUST BE NUMERIC - FORMAT 9999.

G.E.P. STACK HEIGHT must be a numeric value - format 9999.

5.1.18 **G.E.P. BUILDING HEIGHT (FT)**

G.E.P. BUILDING HEIGHT (FT) is the Good Engineering Practice (G.E.P.) calculation for building height, expressed in feet.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 320

In the 'G.E.P. BUILDING HEIGHT (FT)' field found on the Stack General Information screen, enter 0 - 9999.

Batch: Transaction type 20, Sequence #2

In columns 47 - 50, enter 0 - 9999 for **G.E.P. BUILDING HEIGHT (FT)**.

Online Error Messages:

G.E.P. BUILDING HEIGHT MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING HEIGHT must be a numeric value - format 9999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - G.E.P. BUILDING HEIGHT MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING HEIGHT must be a numeric value - format 9999.

5.1.19 **G.E.P. BUILDING LENGTH (FT)**

G.E.P. BUILDING LENGTH is the Good Engineering Practice (G.E.P.) calculation for building length, expressed in feet.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 320

In the '**G.E.P. BUILDING LENGTH**' field found on the General Stack Information screen, enter 0 - 9999.

Batch: Transaction type 20, Sequence #2

In columns 51 - 54, enter 0 - 9999 for **G.E.P. BUILDING LENGTH**.

Online Error Messages:

G.E.P. BUILDING LENGTH MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING LENGTH must be a numeric value - format 9999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - G.E.P. BUILDING LENGTH MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING LENGTH must be a numeric value - format 9999.

5.1.20 **G.E.P. BUILDING WIDTH (FT)**

G.E.P. BUILDING WIDTH (FT) is the Good Engineering Practice (G.E.P.) for calculating building width, expressed in feet.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 320

In the 'G.E.P. BUILDING WIDTH (FT)' field found on the General Stack Information screen, enter 0 - 9999.

Batch: Transaction type 20, Sequence #2

In columns 55 - 58, enter 0 - 9999 for **G.E.P. BUILDING WIDTH (FT)**.

Online Error Messages:

G.E.P. BUILDING WIDTH MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING WIDTH (FT) must be numeric value - format 9999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - G.E.P. BUILDING WIDTH MUST BE NUMERIC - FORMAT 9999.

G.E.P. BUILDING WIDTH (FT) must be numeric value - format 9999.

5.2 Update Stack Level Pollutants

AFS Stack Pollutant records support the tracking of specific pollutant compliance and emissions value data associated with AFS stacks.

5.2.1 Common Data Fields

The data fields in this section, **STACK NUMBER**, and **POLLUTANT** or **CHEMICAL ABSTRACT NUMBER** serve as the common data elements to associate all related AFS Stack Level Pollutant records and therefore must be referenced in all batch update transactions.

5.2.1.1 STACK NUMBER

STACK NUMBER is used to uniquely identify stacks within a plant.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 321

In the 'STACK NUMBER' field found on the Stack Pollutant Information screen, enter 0 - 999 for an existing stack number. To add a pollutant, the stack must already exist in AFS.

Batch: Transaction type 21, Sequence #1

In column 16-18, enter 0 - 999 for **STACK NUMBER**, for an existing stack number. To add a pollutant, the stack must already exist in AFS.

5.2.1.2 **POLLUTANT CODE**

POLLUTANT CODE is a five-character code identifying a pollutant being monitored at the stack.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 321

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter table.

Batch: Transaction type 21, Sequence #1

In columns 19-27, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must exist on the Geocommon Parameter table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED
BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS)
NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must exist on the Geocommon Parameter table.

5.2.1.3 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number associated with a pollutant code being monitored at the stack.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 321

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter table. Valid values are available through use of the Geocommon Browse Utility, or by placing "?" in the first character of the online data field.

Batch: Transaction type 21, Sequence #1

In columns 19-27, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS REQUIRED
BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT
CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter
table.

5.2.2 EMISSIONS TYPE

EMISSIONS TYPE describes the type of emissions being tracked at a facility.

Attributes: 4 character code
Required to establish a Stack Pollutant record.

Coding Instructions:

Online: Screen 321

In the column provided with the heading **EMISSIONS TYPE** enter a valid emission type code from the list provided below. Entering a question mark as the first character of the field activates the HELP utility, which will provide the combination of types valid for the facility being updated.

Batch: Transaction type 21, Sequence #1

In columns 28-31, enter a valid 4 character value for **EMISSIONS TYPE** from the list below.

MEAS - Measured
ALLW - Allowable
POTC - Potential Controlled
POTU - Potential Uncontrolled
ACTU - Actual Uncontrolled

Definitions:

MEASURED EMISSIONS -

The annual measured emissions, measured by source testing, emission monitoring, or other measurement method.

ALLOWABLE EMISSIONS -

The maximum emissions for a pollutant that the plant is legally allowed to discharge into the atmosphere.

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

ACTUAL UNCONTROLLED -

The annual "actual" emissions which have been estimated or calculated for a plant in the state approved emissions inventory, added to those annual emissions that have been removed by the application of a control factor.

Online Error Messages:

INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above, and valid for the type of facility.

AT LEAST 1 TYPE OF EMISSIONS AND RELATED INFORMATION IS REQUIRED.

AFS requires that all the related fields (**EMISSIONS TYPE**, **EMISSIONS VALUE**, **UNIT**, and **METHOD CODE** be entered.

EMISSION TYPE INDICATOR IS REQUIRED.

No **EMISSIONS TYPE** was specified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above, and valid for the type of facility.

5.2.3 EMISSIONS

Identifies the emissions value for the emissions type entered. This value is combined with a decimal value and units to provide the emissions displayed on the AFS Stack Pollutant Emissions screen.

Attributes: 7 digits (batch); 8 digits including a decimal point (online)
Required for each **EMISSIONS TYPE** entered.

Coding Instructions:

Online: Screen 321

In the **EMISSIONS VALUE** column found on the Stack Pollutant Information screen, enter a value from 0 to 9999999. Enter the decimal character '.' in the appropriate position in the emissions value.

Batch: Transaction type 21, Sequence #1

In columns 32-38, enter 0 - 9999999 for **EMISSIONS VALUE**.

Online Error Messages:

XXXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.

(Where XXXXXXXXXXXXXXXX is the emissions type. This may be a descriptive text, such as '**ALLOWABLE**', or a type code, such as '**ALLW**'.)

All emissions must be entered as a numeric.

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.

(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

Emission values may contain only one decimal point.

INVALID XXXX EMISSIONS - MUST BE BETWEEN 0 - 9999999.

(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

The minimum emissions value is 0 and the maximum is 9999999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - XXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.

(Where XXXXXXXXXXXXXXXX is the emissions type. This may be a descriptive text, such as **'ALLOWABLE'**, or a type code, such as **'ALLW'**).

All emissions must be entered as a numeric.

5.2.4 DECIMAL POSITION

DECIMAL POSITION identifies the location of the decimal point in an emissions value by indicating how many places are to the right of the decimal.

Attributes: 1 digit
Required for each **EMISSIONS TYPE** entered in batch.

Coding Instructions:

Online: Screen 321

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 21, Sequence #1

In column 39, enter 0 - 7 for **DECIMAL POSITION**.

Online Error Messages:

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

Emission values may contain only one decimal point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DECIMAL POSITION MUST BE NUMERIC BETWEEN 0 AND 7.

DECIMAL POSITION must be a numeric value from 0-7.

5.2.5 **UNITS**

UNITS is a two-character code identifying the units associated with an emissions value. Typically, it is expressed as a weight/time value.

Attributes: 2 character code
 Required for each **EMISSIONS TYPE** entered.

Coding Instructions:

Enter the **UNITS** according to the emissions type associated with the facility.

Online: Screen 321

 In the 'UNITS' column, found on the Stack Pollutant Information screen, enter a valid 2 character value for **UNITS** from the list below.

Batch: Transaction type 21, Sequence #1

 In column 40-41, enter a valid 2 character value for **UNITS** from the list below.

MEASURED EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DRY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS
08 - POUNDS PER TON OF FEED MATERIAL

- 09 - POUNDS PER TON OF PRODUCT
- 10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
- 11 - POUNDS PER MEGAWATT-HOUR
- 12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
- 13 - PERCENT REDUCTION IN EMISSIONS
- 14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
- 15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
- 16 - MILLIGRAMS PER LITER OF LIQUID LOADED
- 17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
- 18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

ALLOWABLE EMISSIONS UNITS:

- PD - POUNDS/DAY
- PH - POUNDS/HOUR
- PM - POUNDS/MONTH
- PY - POUNDS/YEAR
- TD - TONS/DAY
- TH - TONS/HR
- TM - TONS/MONTH
- TY - TONS/YEAR
- 01 - POUNDS PER 1,000,000 BTU HEAT INPUT
- 02 - GRAINS PER STANDARD CUBIC FOOT, DRY
- 03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
- 04 - PARTS PER MILLION DRY GAS VOLUME
- 05 - PERCENT BY VOLUME
- 06 - PERCENT OPACITY
- 07 - PERCENT BY VOLUME ON A DRY BASIS
- 08 - POUNDS PER TON OF FEED MATERIAL
- 09 - POUNDS PER TON OF PRODUCT
- 10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
- 11 - POUNDS PER MEGAWATT-HOUR
- 12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
- 13 - PERCENT REDUCTION IN EMISSIONS
- 14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
- 15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
- 16 - MILLIGRAMS PER LITER OF LIQUID LOADED
- 17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
- 18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

POTENTIAL CONTROLLED and UNCONTROLLED EMISSIONS UNITS:

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AFS Data Coding

PD - POUNDS/DAY

PH - POUNDS/HOUR

PM - POUNDS/MONTH

PY - POUNDS/YEAR

TD - TONS/DAY

TH - TONS/HR

TM - TONS/MONTH

TY - TONS/YEAR

ACTUAL UNCONTROLLED EMISSIONS UNITS:

PD - POUNDS/DAY

PH - POUNDS/HOUR

PM - POUNDS/MONTH

PY - POUNDS/YEAR

TD - TONS/DAY

TH - TONS/HR

TM - TONS/MONTH

TY - TONS/YEAR

Online Error Messages:

INVALID UNITS.

UNITS must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID UNITS.

UNITS must be from list above.

5.2.6 **METHOD CODE**

METHOD CODE is a one-character code identifying the test method used to determine emissions.

Attributes: 1 digit code
 Only required for **EMISSIONS TYPE** of MEAS (measured emissions) or ACTU (actual uncontrolled.)

Coding Instructions:

Online: Screen 320

In the 'METHOD CODE' column found on the Stack Pollutant Information screen, enter a **METHOD CODE** from the list below.

Batch: Transaction type 21, Sequence #1

In column 42, enter a **METHOD CODE** from whichever of the following lists is applicable:

Measured emissions:

- 1 - U.S. EPA REFERENCE METHOD
- 2 - OTHER PARTICULATE SAMPLING TRAIN
- 3 - LIQUID ABSORPTION TECHNIQUE
- 4 - SOLID ABSORPTION TECHNIQUE
- 5 - FREEZING-OUT TECHNIQUE
- 6 - GRAB SAMPLING (INTERMITTENT) TECHNIQUE
- 9 - OTHER, SPECIFY IN COMMENT

Actual Uncontrolled emissions:

- 1 - EMISSIONS COMPUTER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.

WHEN CALCULATED BY AFS, PLANT ACTUAL UNCONTROLLED EMISSIONS ARE AN AGGREGATION OF THE FOLLOWING SEGMENT CALCULATION:

ESTIMATED EMISSIONS - $[(\text{SEGMENT POLLUTANT CONTROL EQUIPMENT EFFICIENCY} \times 0.01) \times \text{ESTIMATED EMISSIONS}]$

- 2 - EMISSIONS USER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 3 - EMISSIONS ESTIMATED BECAUSE NO EMISSIONS DATA AVAILABLE.

Online Error Messages:

MEASURED EMISSIONS INFORMATION IS ONLY PARTIALLY COMPLETED.

A **METHOD CODE** is required if measured emissions data is entered.

INVALID MEASURED EMISSIONS METHOD CODE.

A valid **METHOD CODE** must be entered and exist from the list above.

INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

METHOD CODE must be from the list above.

METHOD CODE MUST BE BLANK FOR XXXX EMISSIONS TYPE

(Where XXXX is the emissions type which was assigned a method code.)

The emissions type specified does not allow a **METHOD CODE** at the stack level.

Batch Transaction Type Report Error Messages:

TRANSACTION ERROR - MEASURED EMISSIONS INFORMATION IS ONLY PARTIALLY COMPLETED.

A **METHOD CODE** is required if measured emissions data is entered.

TRANSACTION ERROR - INVALID MEASURED EMISSION METHOD CODE.

A valid **METHOD CODE** must be entered and exist from the list above.

TRANSACTION ERROR - INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

METHOD CODE must be from the list above.

TRANSACTION ERROR - METHOD CODE MUST BE BLANK FOR XXXX EMISSIONS TYPE

(Where XXXX is the emissions type which was assigned a method code.)

The emissions type specified does not allow a **METHOD CODE** at the stack level.

5.3 Update Stack Level Comments

AFS Stack Comments provide users with up to 240 characters of information space in which to update comments pertaining to stack and vents.

5.3.1 Common Data Fields

The data fields in this section, **STACK NUMBER**, **COMMENT NUMBER** and **COMMENT IDENTIFIER**, serve as the common data elements to associate all related AFS Stack Level Comment records and therefore must be referenced in all batch update transactions.

5.3.1.1 STACK NUMBER

STACK NUMBER is used to uniquely identify stacks within a plant.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 322

In the 'STACK NUMBER' field found on the General Stack Information screen, enter 0 - 999 for an existing stack number. To add a comment, the stack must already exist in AFS.

Batch: Transaction type 27, Sequence #1

In column 16-18, enter 0 - 999 for **STACK NUMBER**, for an existing stack number. To add a comment, the stack must already exist in AFS.

Online Error Messages:

INVALID STACK NUMBER.

An invalid **STACK NUMBER** was entered.

STACK NUMBER IS REQUIRED.

A **STACK NUMBER** must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STACK NUMBER.

An invalid **STACK NUMBER** was entered.

TRANSACTION ERROR - STACK NUMBER IS REQUIRED.

A **STACK NUMBER** must be entered.

5.3.1.2 **COMMENT NUMBER**

COMMENT NUMBER is a unique three-digit numeric comment identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 322

In the 'COMMENT NUMBER' field found on the Stack Level Comments Information screen, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Batch: Transaction type 27, Sequence #1

In columns, 19-21, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Online Error Messages:

INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Stack Level Comment Information so that each stack level comment is uniquely identified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Stack Level Comment Information so that each stack level comment is uniquely identified.

5.3.1.3 **COMMENT IDENTIFIER**

COMMENT IDENTIFIER is a one-character field used to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

Attributes: 1 character code
 Required

Coding Instructions:

Online: Screen 322

Stack comment records are automatically updated with an identifier of 'e' which at this time is the only applicable identifier.

Batch: Transaction type 27, Sequence #1

Stack comment records are automatically updated with an identifier of 'e' which at this time is the only applicable identifier.

Online Error Messages:

COMMENT IDENTIFIER must be 'E'.

COMMENT IDENTIFIER must be an 'E' to identify stack comments as relating to emissions information (E).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMMENT IDENTIFIER must be 'E'.

COMMENT IDENTIFIER must be an 'E' to identify stack comments as relating to emissions information (E).

5.3.2 **COMMENT**

COMMENT is an optional field which permits the user to enter information about stacks and vents. Comments consist of four lines, each of which can hold up to sixty characters.

Attributes: 55 character code
 Not Required

Coding Instructions:

Online: Screen 322

In the 'COMMENT' field found on the Stack Level Comments Information screen, enter up to 240 alphanumeric characters.

Batch: Transaction type 27, Sequence #1-4

In columns 23-77, enter up to 54 alphanumeric characters for **COMMENT**, line 1,2,3 and/or 4. Each comment line, 1-4, is associated with a transaction sequence number 1-4.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

5.3.3 **ENFORCEMENT SENSITIVE INDICATOR**

ENFORCEMENT SENSITIVE INDICATOR is a one-character field used to identify if a stack compliance comment is enforcement sensitive.

Attributes: 1 character code
 Not Required (defaults to 'N' - not sensitive) Update sensitive access required to enter a value of 'Y'.

Coding Instructions:

Online: Screen 322

In the '**ENFORCEMENT SENSITIVE INDICATOR**' field found on the Stack Level Comments Information screen, enter 'Y' or 'N'.

Batch: Transaction type 27, Sequence #1

In column 78, enter 'Y' or 'N' for **ENFORCEMENT SENSITIVE INDICATOR**. The indicator will default to 'N' if left blank when the record is added.

Online Error Messages:

ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'. The indicator will default to 'N' if left blank when the record is added.

6.0 Point Level Transactions

The AFS Point Level allows compliance users to track many compliance issues and programs similar to those maintained for the plant. AFS requires air program and pollutant records to exist at the plant level before they can be tracked at subsidiary points, however, with the exception that air programs and pollutants must exist at the plant level, the values entered at the point level are not validated for consistency against their plant-level counterparts.

AFS maintains compliance and emissions data pertaining to points within facilities monitored by EPA and State agencies under each agency's compliance and emission inventory programs. Point level data provide information about the point as a whole, such as its description, overall compliance status, regulated pollutants, emission inventory values, tank data, continuous emissions and monitor data, and comments. Point level online screens and batch update transactions are used to update record-specific data fields. The online screens, batch transaction types, and associated data fields are as follows:

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AFS Data Coding

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
----------------------------	---------------------------------	-----------------------------------

AFS POINT GENERAL

330

30

Point ID

Compliance/Emissions

Identifier

Point Description

Operating Restrictions

Regulated Source

Classification Code

Soot Blowing Indicator

Times Per Day

Times Per Week

AM or PM

Compliance Design Capacity

Compliance Design Capacity Units

State Sensitive Indicator

Space Heat Percentage

Emissions Design Capacity

Emissions Design Capacity Units

Percentage Annual Throughput

December-February

March-May

June-August

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AFS Data Coding		AF2
<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS POINT GENERAL (con't)	330	30
September-November		
Normal Operating Schedule		
Hours Per Day		
Days Per Week		
Hours Per Year		
Control Regulation		
User Point ID		
Burner Type-Make		
Burner Type-Model		
Installation Date		
Draft Type		
Draft Control Type		
Draft Control Location		
SDE 1		
SDE 2		
SDE 3		
SDE 4		
SDE 5		
Point Description		
Start Time		
End Time		
AFS POINT POLLUTANT	331	31
Pollutant Code/ CAS Number		
Emissions Type		
Emissions Value		
Decimal Position (batch only)		
Units Code		
Method Code		
State Regulation Number		
State Private Indicator		
Emissions Limitation		
Description		
SIP Rule in Place		

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AFS Data Coding

AFS	Update Screen	Batch Transaction
<u>Record Type</u>	<u>Number</u>	<u>Type</u>
AFS POINT POLLUTANT (con't)	331	31

Year Regulated

Year Last Modified

AFS POINT AIR PROGRAM

332

32

Air Program Code

State Compliance Status

EPA Compliance Status

Air Program Status

State Implementation Plan

RDE 7

RDE 15

Pollutant Code/

CAS Number

Subparts Update Indicator (batch only)

Subparts 1 - 9

AFS POINT MONITOR

333

33

Channel Number

Monitor Manufacturer

Monitor Serial Number

Monitor Requirement Code

CEM Enforcement Agency

Permissible Emission Limit

Installation Date

Performance Specification

Test Date

Performance Specification

Test Status

Certification Date

AFS CONTINUOUS EMISSION

334

34

Channel Number

Report Quarter

AFS Data Coding		AFS User's Guide AF2
<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS CONTINUOUS EMISSION (con't)	334	34
Chemical Abstract Number		
Air Program Codes		
1		
2		
3		
4		
5		
6		
Total Source Operating Time		
Time Period Code		
Startup/Shutdown		
Cleaning/Soot Blowing		
Unknown Excess Emissions		
Control Equipment Failure		
Control Equipment Malfunction		
Unacceptable		
Process Problems		
Process Problems		
Unacceptable		
Number of Incidents		
of Excess Emissions		
Fuel Problems		
Other Known Excess		
Emissions		
Monitor Equipment		
Malfunctions		
Non-Monitor Equipment		
Malfunctions		
Calibration		
Unknown Monitor Downtime		
Other Known Monitor		
Downtime		
Number of Incidents of		
Monitor Downtime		

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AFS Data Coding

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
----------------------------	---------------------------------	-----------------------------------

AFS POINT TANK

335

35

Diameter

Height

Age

Loading Type

Color

Fixed Roof Tanks

Roof Paint Color

Shell Paint Color

Average Vapor Space

Height

Paint Condition

Diurnal Temperature

Change

Floating Roof Tanks

Construction Type

Tank Shell Condition

Deck Construction Type

Seal Type

Average Wind Speed

Support Type

AFS POINT ACTION

336

36

Action Number

Air Program Code

1

2

3

4

5

6

Action Type

Action Type Category

Action Description

Date Scheduled

Date Achieved

AFS Data Coding		AFS User's Guide
		AF2
<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS POINT ACTION (con't)	336	36
Results Code		
Penalty Amount		
Staff Code		
Pollutant Code/ CAS Number		
State Private Indicator		
RDE 8		
Contractor State		
Contractor ID		
AFS POINT COMMENT	337	37
Action Number		
Comment Number		
Comment Identifier		
Comment		
Enforcement Sensitive Indicator		
State Private Indicator		

The AFS Point level data batch transaction types, online update, screens, and associated data are described in Section 6 as follows. Please note that descriptions of mandatory data common to all AFS batch transactions are described in Section 3.

6.1 Update AFS Point General

The AFS Point General record supports input and tracking of general descriptive and operational data about emissions and process points within a facility. Point general records must be established in AFS before subsidiary data records in the point can be added to the database. Through the compliance/emissions identifier, users may maintain separate records for emissions, compliance and/or merged plants within a facility. The input of compliance/emissions indicators 'c', 'e' or 'm' will result in the display of the different update screens for the point general record.

In AFS, all segments must be associated to an emission point. Consequently, when adding an emission or merged point to AFS, users must simultaneously add at least one segment general record for the point, or the point will not be added to AFS. Similarly, no new segments can be added to AFS without being associated to an existing or simultaneously added point. Online users upon completing the key and mandatory data requirements of screen 330 (Point General) will automatically be taken to Screen 340 (Segment General) which upon completion will simultaneously add a point and associated segment to the database. Batch update users must remember to add both a Point General (Transaction type 30) and Segment General (Transaction type 40) in the same batch, or the segment will not be successfully added.

6.1.1 Common Data Fields

The data fields **POINT NUMBER** and **COMPLIANCE/EMISSIONS INDICATOR** are common to all AFS Point General batch update transactions.

6.1.1.1 POINT NUMBER

POINT NUMBER is a three-character emission point identifier.

Attributes: 3 character code
 Required

Coding Instructions:

Online: Screen 330

In the 'POINT' field found on the General Point Information screen, enter a 3 character **POINT NUMBER**.

Batch: Transaction type 30, Sequence #1

For Compliance plants, in columns 14-16, enter a 3 character **POINT NUMBER**.

For Emissions plants, in columns 16-18, enter a 3 character **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.1.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M). Users may input any or all three identifiers for different points within a facility.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 330

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the General Point Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 30, Sequence #1

For Compliance plants, in column 17, enter a 'C' for **COMPLIANCE/EMISSIONS IDENTIFIER**.

For Emission plants, in column 19, enter an 'E' for **COMPLIANCE/EMISSIONS IDENTIFIER**.

For Merged plants, in either column 17 or column 19, enter an 'M' for **COMPLIANCE/EMISSIONS IDENTIFIER**.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.1.2 POINT DESCRIPTION

POINT DESCRIPTION is a description of a point, or a process occurring at a point.

Attributes: 25 character code
 Required (for compliance and merged points)

Coding Instructions:

Online: Screen 330

In the 'POINT DESCRIPTION' field found on the General Point Information screen, enter up to 25 characters for **POINT DESCRIPTION**.

Batch: Transaction type 30, Sequence #1

In columns 18-42, enter up to 25 characters for **POINT DESCRIPTION**.

Online Error Messages:

POINT DESCRIPTION IS REQUIRED.

POINT DESCRIPTION must be entered for Compliance plants.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT DESCRIPTION IS REQUIRED.

POINT DESCRIPTION must be entered for Compliance plants.

6.1.3 **OPERATING RESTRICTION**

OPERATING RESTRICTION is a user-defined description of any restriction placed on equipment or processes because of control regulations.

Attributes: 25 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'OPERATING RESTRICTION' field found on the General Point Information screen, enter up to 25 characters for **OPERATING RESTRICTION**.

Batch: Transaction type 30, Sequence #1

In columns 43-67, enter up to 25 characters for **OPERATING RESTRICTION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.4 REGULATED SOURCE CLASSIFICATION CODE

REGULATED SOURCE CLASSIFICATION CODE is an eight-character code providing a detailed analysis of the process creating emissions for a point. The Source Classification Code (SCC) best represents an individual process or function within a source category associated with the point of air pollution emissions.

Attributes: 8 character code
Not required

Coding Instructions:

Online: Screen 330

In the 'REGULATED SOURCE CLASSIFICATION CODE' field found on the General Point Information screen, enter a valid **REGULATED SOURCE CLASSIFICATION CODE** as found on the Source Classification Table. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 30, Sequence #1

In columns 68-75, enter a valid **REGULATED SOURCE CLASSIFICATION CODE** as found on the Source Classification Table. This table can be accessed online through the AFS Utility Selection Menu.

Online Error Messages:

INVALID REGULATED SOURCE CLASSIFICATION CODE.

REGULATED SOURCE CLASSIFICATION CODE must exist on the SOURCE CLASSIFICATION CODE Table.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID REGULATED SOURCE CLASSIFICATION CODE.

REGULATED SOURCE CLASSIFICATION CODE must exist on the SOURCE CLASSIFICATION CODE Table.

6.1.5 **SOOT BLOWING INDICATOR**

SOOT BLOWING INDICATOR is a one-character code indicating if the stack or vent undergoes periodic purging through soot-blowing.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'SOOT BLOWING INDICATOR' field found on the General Point Information screen, enter either a 'Y' or 'N' for **SOOT BLOWING INDICATOR**.

Batch: Transaction type 30, Sequence #2

In column 18, enter either a 'Y' or 'N' for **SOOT BLOWING INDICATOR**.

Online Error Messages:

SOOT BLOWING INDICATOR MUST BE 'Y' OR 'N'.

SOOT BLOWING INDICATOR must be a 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOOT BLOWING INDICATOR MUST BE 'Y' OR 'N'.

SOOT BLOWING INDICATOR must be a 'Y' or 'N'.

6.1.6 **TIMES PER DAY**

TIMES PER DAY is the number of soot blowing events per day from a stack or vent.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'TIME PER DAY' field found on the General Point Information screen, enter 0 - 99 for **TIMES PER DAY**.

Batch: Transaction type 30, Sequence #2

In columns 19-20, enter 0 - 99 for **TIMES PER DAY**.

Online Error Messages:

SOOT BLOWING TIMES PER DAY MUST BE NUMERIC - FORMAT 99

TIMES PER DAY must be a numeric value between 0-99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOOT BLOWING TIMES PER DAY MUST BE NUMERIC - FORMAT 99

TIMES PER DAY must be a numeric value between 0-99.

6.1.7 **TIMES PER WEEK**

TIMES PER WEEK is the number of soot blowing events per week from a stack or vent.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'TIME PER WEEK' field found on the General Point Information screen, enter 0 -99 for **TIMES PER WEEK**.

Batch: Transaction type 30, Sequence #2

In columns 21-22, enter 0 - 99 for **TIMES PER WEEK**.

Online Error Messages:

SOOT BLOWING TIMES PER DAY MUST BE NUMERIC - FORMAT 99

TIMES PER WEEK must be a numeric value between 0-99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOOT BLOWING TIMES PER WEEK MUST BE NUMERIC - FORMAT 99

TIMES PER WEEK must be a numeric value between 0-99.

6.1.8 **AM OR PM**

AM OR PM is a one character code identifying the soot blowing time of day.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'AM OR PM' field found on the General Point Information screen, enter **AM OR PM** from the list below.

Batch: Transaction type 30, Sequence #2

In column 23, enter **AM OR PM** from the list below.

A - AM
P - PM
B - BOTH

Online Error Messages:

SOOT BLOWING AM OR PM MUST BE 'A', 'P', OR 'B'.

AM OR PM must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOOT BLOWING AM OR PM MUST BE 'A', 'P', OR 'B'.

AM OR PM must be from the list above.

6.1.9 **DESIGN CAPACITY**

DESIGN CAPACITY is the total raw material/fuel input or energy production capacity of the process represented at a specific emission point.

Attributes: 5 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DESIGN CAPACITY' field found on the General Point Information screen, enter 0 - 99999 for **DESIGN CAPACITY**.

Batch: Transaction type 30, Sequence #2

In columns 24-28, enter 0 - 99999 for **DESIGN CAPACITY**.

Online Error Messages:

DESIGN CAPACITY MUST BE NUMERIC - FORMAT 99999

DESIGN CAPACITY must be from 0 -99,999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DESIGN CAPACITY MUST BE NUMERIC - FORMAT 99999

DESIGN CAPACITY must be from 0 -99,999.

6.1.10 **DESIGN CAPACITY UNITS**

DESIGN CAPACITY UNITS is a one-character code defining the units of measurement for the design capacity value.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DESIGN CAPACITY UNITS' field found on the General Point Information screen, enter a **DESIGN CAPACITY UNITS** from the list below.

Batch: Transaction type 30, Sequence #2 and #3

In column 29, enter a **DESIGN CAPACITY UNITS** from the list below.

ENERGY, POWER UNITS APPLICABLE FOR FUEL COMBUSTION EQUIPMENT:

- 1 - 1,000,000 BTU/HOUR HEAT INPUT
- 2 - MEGAWATTS
- 3 - KILOWATTS
- 4 - 1,000 POUNDS OF STEAM PER HOUR
- 5 - BOILER HORSEPOWER (BHP)
- 6 - HORSEPOWER

VOLUME UNITS APPLICABLE FOR STORAGE TANKS:

- A - 1,000 GALLONS
- B - BARRELS
- C - 1,000 BARRELS

WEIGHT UNITS APPLICABLE FOR OTHER PROCESSES:

M - TONS/HOUR
N - TONS/DAY
P - POUNDS/HOUR

Online Error Messages:

INVALID DESIGN CAPACITY UNITS.

DESIGN CAPACITY UNITS must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DESIGN CAPACITY UNITS.

DESIGN CAPACITY UNITS must be from list above.

6.1.11 STATE SENSITIVE INDICATOR

STATE SENSITIVE INDICATOR identifies the state sensitive status of certain process information based on the point designation:

C	an emissions point	design capacity, design capacity units and space heat (percent).
C	a compliance point	design capacity and design capacity units
C	a merged point	when a compliance point and an emissions point are merged the indicator value on the emissions point supersedes the compliance point state sensitive indicator value for design capacity and design capacity units. Emissions Sensitive Update access is required to assign the state sensitive indicator a value of 'Y' and update the fields designated as state sensitive.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 330

In the 'STATE SENSITIVE INDICATOR' field found on the General Point Information screen, enter either a 'Y' or 'N' for **STATE SENSITIVE INDICATOR**.

Batch: Emissions/Merged Point - Transaction type 30, Sequence #3

In column 20, enter either a 'Y' or 'N' for **STATE SENSITIVE INDICATOR**.

Compliance Point - Transaction type 30, Sequence #2

In column 30, enter either a 'Y' or 'N' for **STATE SENSITIVE INDICATOR**.

Online Error Messages:

STATE SENSITIVE INDICATOR MUST BE EITHER 'Y' OR 'N'.

STATE SENSITIVE INDICATOR must be a 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE SENSITIVE INDICATOR MUST BE EITHER 'Y' OR 'N'.

STATE SENSITIVE INDICATOR must be a 'Y' or 'N'.

6.1.12 SPACE-HEAT

SPACE-HEAT is the percentage of total fuel used for space heating a point.

Attributes: 3 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'SPACE-HEAT(PERCENT)' field found on the General Point Information screen, enter 0 - 99.9 for **HEAT-CONTENT**.

Batch: Transaction type 30, Sequence #3

In columns 21-23, enter 0 - 99.9 for **HEAT-CONTENT**.

Online Error Messages:

SPACE-HEAT (PERCENT) MUST BE NUMERIC - FORMAT 99.9

SPACE-HEAT must be from 0 - 99.9.

INVALID SPACE HEAT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

SPACE-HEAT must be a numeric value without any embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SPACE-HEAT (PERCENT) MUST BE NUMERIC - FORMAT 99.9

SPACE-HEAT must be from 0 - 99.9.

TRANSACTION ERROR - INVALID SPACE HEAT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

SPACE-HEAT must be a numeric value without any embedded or leading blanks.

6.1.13 **DESIGN CAPACITY**

DESIGN CAPACITY is the total input of production capacity of the process represented at a specific emission point.

Attributes: 5 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DESIGN CAPACITY' field found on the General Point Information screen, enter 0 - 99999 for **DESIGN CAPACITY**.

Batch: Transaction type 30, Sequence #2 and #3

In columns 24-28, enter 0 - 99999 for **DESIGN CAPACITY**.

Online Error Messages:

DESIGN CAPACITY MUST BE NUMERIC - FORMAT 99999

DESIGN CAPACITY must be from 0 - 99999.

INVALID DESIGN CAPACITY - EMBEDDED/LEADING BLANKS NOT ALLOWED.

DESIGN CAPACITY must be a numeric value without any embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DESIGN CAPACITY MUST BE NUMERIC - FORMAT 99999.

DESIGN CAPACITY must be from 0 - 99999.

TRANSACTION ERROR - INVALID DESIGN CAPACITY - EMBEDDED/LEADING BLANKS NOT ALLOWED.

DESIGN CAPACITY must be a numeric value without any embedded or leading blanks.

6.1.14 **PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY**

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY is the percentage of annual activity for the point that is performed in the months from December to February.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DEC-FEB' field found on the General Point Information screen, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY**.

Batch: Transaction type 30, Sequence #3

In columns 30-31, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY**.

Online Error Messages:

PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC - FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be number 0-99.

DECEMBER-FEBRUARY THRUPUT MUST BE ENTERED TO CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be entered in order to calculate the peak Carbon Monoxide (CO) emissions.

INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be a numeric value without any embedded or leading blanks.

TOTAL PERCENTAGE ANNUAL THROUGHPUT CANNOT EXCEED 100.

The aggregation of all seasonal percentage throughput values may not exceed 100%.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC -
FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be number 0-99.

TRANSACTION ERROR - DECEMBER-FEBRUARY THRUPUT MUST BE ENTERED TO
CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be entered in
order to calculate the peak Carbon Monoxide (CO) emissions.

TRANSACTION ERROR - INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, DECEMBER-FEBRUARY must be a numeric
value without any embedded or leading blanks.

6.1.15 **PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY**

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY is the percentage of annual activity for the point that is performed in the months from December to February.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'MAR-MAY' field found on the General Point Information screen, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY**.

Batch: Transaction type 30, Sequence #3

In columns 32-33, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY**.

Online Error Messages:

PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC - FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be number 0-99.

MARCH-MAY THRUPTUT MUST BE ENTERED TO CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be entered in order to calculate the peak Carbon Monoxide (CO) emissions.

INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be a numeric value without any embedded or leading blanks.

TOTAL PERCENTAGE ANNUAL THROUGHPUT CANNOT EXCEED 100.

The aggregation of all seasonal percentage throughput values may not exceed 100%.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC -
FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be number 0-99.

TRANSACTION ERROR - MARCH-MAY THRUPUT MUST BE ENTERED TO CALCULATE PEAK
CO.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be entered in order to
calculate the peak Carbon Monoxide (CO) emissions.

TRANSACTION ERROR - INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, MARCH-MAY must be a numeric value without
any embedded or leading blanks.

6.1.16 **PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST**

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST is the percentage of annual activity for the point that is performed in the months from December to February.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'JUN-AUG' field found on the General Point Information screen, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST**.

Batch: Transaction type 30, Sequence #3

In columns 34-35, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST**.

Online Error Messages:

PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC - FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be number 0-99.

JUNE-AUGUST THRUPTUT MUST BE ENTERED TO CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be entered in order to calculate the peak Carbon Monoxide (CO) emissions.

INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be a numeric value without any embedded or leading blanks.

TOTAL PERCENTAGE ANNUAL THROUGHPUT CANNOT EXCEED 100.

The aggregation of all seasonal percentage throughput values may not exceed 100%.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC -
FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be number 0-99.

TRANSACTION ERROR - JUNE-AUGUST THRUPUT MUST BE ENTERED TO CALCULATE
PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be entered in order to
calculate the peak Carbon Monoxide (CO) emissions.

TRANSACTION ERROR - INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, JUNE-AUGUST must be a numeric value without
any embedded or leading blanks.

6.1.17 PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER is the percentage of annual activity for the point that is performed in the months from December to February.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'JUN-AUG' field found on the General Point Information screen, enter 0 -99 for **PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER**.

Batch: Transaction type 30, Sequence #3

In columns 36-37, enter 0 - 99 for **PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER**.

Online Error Messages:

PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC - FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be number 0-99.

SEPTEMBER-NOVEMBER THRUPUT MUST BE ENTERED TO CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be entered in order to calculate the peak Carbon Monoxide (CO) emissions.

INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be a numeric value without any embedded or leading blanks.

TOTAL PERCENTAGE ANNUAL THROUGHPUT CANNOT EXCEED 100.

The aggregation of all seasonal percentage throughput values may not exceed 100%.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PERCENTAGE ANNUAL THROUGHPUT MUST BE NUMERIC -
FORMAT 99.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be number 0-
99.

TRANSACTION ERROR - SEPTEMBER-NOVEMBER THRUPUT MUST BE ENTERED TO
CALCULATE PEAK CO.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be entered in
order to calculate the peak Carbon Monoxide (CO) emissions.

TRANSACTION ERROR - INVALID ANNUAL THROUGHPUT - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

PERCENTAGE ANNUAL THROUGHPUT, SEPTEMBER-NOVEMBER must be a numeric
value without any embedded or leading blanks.

6.1.18 NORMAL OPERATING SCHEDULE, HOURS PER DAY

NORMAL OPERATING SCHEDULE, HOURS PER DAY is the number of hours per 24 hour day a point operates.

Attributes: 2 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'HOURS PER DAY' field found on the General Point Information screen, enter a valid 2 digit code between 1 and 24 for **HOURS PER DAY**.

Batch: Transaction type 30, Sequence #3

In columns 38-39, enter a valid 2 digit code between 1 and 24 for **HOURS PER DAY**.

Online Error Messages:

NORMAL OPERATING HOURS MUST BE NUMERIC - FORMAT 99.

HOURS PER DAY must be a number between 00 and 24.

NORMAL OPERATING HOURS MUST BE BETWEEN 1 AND 24.

HOURS PER DAY must be a number between 00 and 24.

INVALID OPERATING HOURS/DAY - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HOURS PER DAY must be a numeric value without any embedded or leading blanks.

HOURS/DAY MUST BE ENTERED TO CALCULATE PEAK 03.

HOURS PER DAY must be entered in order to calculate Peak 03 Emissions.

HOURS/DAY MUST BE ENTERED TO CALCULATE PEAK CO.

HOURS PER DAY must be entered in order to calculate Peak CO Emissions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - NORMAL OPERATING HOURS MUST BE NUMERIC - FORMAT 99.

HOURS PER DAY must be a number between 00 and 24.

TRANSACTION ERROR - NORMAL OPERATING HOURS MUST BE BETWEEN 1 AND 24.

HOURS PER DAY must be a number between 00 and 24.

TRANSACTION ERROR - INVALID OPERATING HOURS/DAY - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HOURS PER DAY must be a numeric value without any embedded or leading blanks.

TRANSACTION ERROR - HOURS/DAY MUST BE ENTERED TO CALCULATE PEAK 03.

HOURS PER DAY must be entered in order to calculate Peak 03 Emissions.

TRANSACTION ERROR - HOURS/DAY MUST BE ENTERED TO CALCULATE PEAK CO.

HOURS PER DAY must be entered in order to calculate Peak CO Emissions.

6.1.19 NORMAL OPERATING SCHEDULE, DAYS PER WEEK

NORMAL OPERATING SCHEDULE, DAYS PER WEEK is the number of days per 7 day week a point operates.

Attributes: 1 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DAYS PER WEEK' field found on the General Point Information screen, enter a valid 1 digit code between 1 and 7 for **DAYS PER WEEK**.

Batch: Transaction type 30, Sequence #3

In column 40, enter a valid 1 digit code between 1 and 7 for **DAYS PER WEEK**.

Online Error Messages:

DAYS PER WEEK MUST BE NUMERIC - FORMAT.

DAYS PER WEEK must be a number between 0 and 7.

DAYS PER WEEK MUST BE BETWEEN 0 AND 7.

DAYS PER WEEK must be a number between 0 and 7.

INVALID OPERATING DAYS/WEEK - EMBEDDED/LEADING BLANKS NOT ALLOWED.

DAYS PER WEEK must be a numeric value without any embedded or leading blanks.

NORMAL OPERATING DAYS/WEEK REQUIRED FOR 03 SEASON DAILY CALC.

DAYS PER WEEK must be entered in order to calculate Peak 03 Emissions.

NORMAL OPERATING DAYS/WEEK REQUIRED FOR CO SEASON DAILY CALC.

DAYS/WEEK must be entered in order to calculate Peak CO Emissions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DAYS PER WEEK MUST BE NUMERIC - FORMAT.

DAYS PER WEEK must be a number between 0 and 7.

TRANSACTION ERROR - DAYS PER WEEK MUST BE BETWEEN 0 AND 7.

DAYS PER WEEK must be a number between 0 and 7.

TRANSACTION ERROR - INVALID OPERATING DAYS/WEEK - EMBEDDED/LEADING BLANKS NOT ALLOWED.

DAYS PER WEEK must be a numeric value without any embedded or leading blanks.

TRANSACTION ERROR - NORMAL OPERATING DAYS/WEEK REQUIRED FOR 03 SEASON DAILY CALC.

DAYS PER WEEK must be entered in order to calculate Peak 03 Emissions.

TRANSACTION ERROR - NORMAL OPERATING DAYS/WEEK REQUIRED FOR CO SEASON DAILY CALC.

DAYS/WEEK must be entered in order to calculate Peak CO Emissions.

6.1.20 NORMAL OPERATING SCHEDULE, HOURS PER YEAR

NORMAL OPERATING SCHEDULE, HOURS PER YEAR is the number of hours per 8760 hours year a point operates.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'HOURS PER YEAR' field found on the General Point Information screen, enter a valid 4 digit code, 1-8760, for **HOURS PER YEAR**.

Batch: Transaction type 30, Sequence #3

In columns 41-44, enter a valid 4 digit, 1-8760, code for **HOURS PER YEAR**.

Online Error Messages:

HOURS PER YEAR MUST BE NUMERIC - FORMAT 9999.

HOURS PER YEAR must be a number between 0 and 8760.

HOURS PER YEAR MUST BE BETWEEN 0 AND 8760.

HOURS PER YEAR must be a number between 0 and 8760.

INVALID OPERATING HOURS/YEAR - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HOURS PER YEAR must be a numeric value without any embedded or leading blanks.

HOURS/YEAR MUST BE ENTERED TO CALCULATE PEAK 03.

HOURS PER YEAR must be entered in order to calculate Peak 03 Emissions.

HOURS/YEAR MUST BE ENTERED TO CALCULATE PEAK CO.

HOURS PER YEAR must be entered in order to calculate Peak CO Emissions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - HOURS PER YEAR MUST BE NUMERIC - FORMAT 9999.

HOURS PER YEAR must be a number between 0 and 8760.

TRANSACTION ERROR - HOURS PER YEAR MUST BE BETWEEN 0 AND 8760.

HOURS PER YEAR must be a number between 0 and 8760.

TRANSACTION ERROR - INVALID OPERATING HOURS/YEAR - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HOURS PER YEAR must be a numeric value without any embedded or leading blanks.

TRANSACTION ERROR - HOURS/YEAR MUST BE ENTERED TO CALCULATE PEAK 03.

HOURS PER YEAR must be entered in order to calculate Peak 03 Emissions.

TRANSACTION ERROR - HOURS/YEAR MUST BE ENTERED TO CALCULATE PEAK CO.

HOURS PER YEAR must be entered in order to calculate Peak CO Emissions.

6.1.21 **CONTROL REGULATION**

CONTROL REGULATION identifies the air pollution control regulation(s) numbers that are in effect and apply to the plant.

Attributes: 12 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'CONTROL REGULATION' field found on the General Point Information screen, enter a 12 character value for **CONTROL REGULATION**.

Batch: Transaction type 30, Sequence #3

In columns 45-56, enter a 12 character value for **CONTROL REGULATION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.22 **USER POINT ID**

USER POINT ID is a user-defined field used if point source identification differs from EPA conventions.

Attributes: 3 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'USER POINT ID' field found on the General Point Information screen, enter a 3 character value for **USER POINT ID**.

Batch: Transaction type 30, Sequence #3

In columns 57-59, enter a 3 character value for **USER POINT ID**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.23 **BURNER TYPE - MAKE**

BURNER TYPE - MAKE is the burner manufacturer.

Attributes: 10 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'BURNER TYPE - MAKE' field found on the General Point Information screen, enter a 10 character value for **BURNER TYPE - MAKE**.

Batch: Transaction type 30, Sequence #3

In columns 60-69, enter a 10 character value for **BURNER TYPE - MAKE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.24 **BURNER TYPE - MODEL**

BURNER TYPE - MODEL is a one-character user-defined code identifying the type of burner.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'BURNER TYPE - MODEL' field found on the General Point Information screen, enter a 1 character value for **BURNER TYPE - MODEL**.

Batch: Transaction type 30, Sequence #3

In column 70, enter a 1 character value for **BURNER TYPE - MODEL**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.25 **INSTALLATION DATE**

INSTALLATION DATE is the date a burner was installed.

Attributes: 6 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'INSTALLATION DATE' field found on the General Point Information screen, enter a 6 digit value for **INSTALLATION DATE**.

Batch: Transaction type 30, Sequence #3

In columns 71-76, enter a 6 digit value for **INSTALLATION DATE**.

Online Error Messages:

INVALID BURNER INSTALLATION DATE.

INSTALLATION DATE must be in the format (YYMMDD).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID BURNER INSTALLATION DATE.

INSTALLATION DATE must be in the format (YYMMDD).

6.1.26 **DRAFT TYPE**

DRAFT TYPE is a one-character code identifying the existing draft conditions in the stack.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 330

In the 'DRAFT-TYPE' field found on the General Point Information screen, enter a 1 character value for **DRAFT TYPE** from the list below.

Batch: Transaction type 30, Sequence #3

In column 77, enter a 1 character value for **DRAFT TYPE** from the list below.

- 1 - FORCED
- 2 - INDUCED
- 3 - NATURAL
- 4 - COMBINATION
- 5 - NONE

Online Error Messages:

INVALID DRAFT TYPE.

DRAFT TYPE must be from list above.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID DRAFT TYPE.

DRAFT TYPE must be from list above.

6.1.27 DRAFT CONTROL TYPE

DRAFT CONTROL TYPE is a one-character code which identifies the type unit installed to control the draft.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DRAFT CONTROL TYPE' field found on the General Point Information screen, enter a 1 character value for **DRAFT CONTROL TYPE** from the list below.

Batch: Transaction type 30, Sequence #3

In column 78, enter a 1 character value for **DRAFT CONTROL TYPE** from the list below.

- 1 - BAROMETRIC
- 2 - SLIDING DOOR
- 3 - BUTTERFLY
- 4 - GUILLOTINE
- 5 - OTHER

Online Error Messages:

INVALID DRAFT CONTROL TYPE.

DRAFT CONTROL TYPE must be from the list above.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID DRAFT CONTROL TYPE.

DRAFT CONTROL TYPE must be from the list above.

6.1.28 DRAFT CONTROL LOCATION

DRAFT CONTROL LOCATION is a one-character code identifying the placement of the draft control unit.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'DRAFT CONTROL LOCATION' field found on the General Point Information screen, enter a 1 character value for **DRAFT CONTROL LOCATION** the list below.

Batch: Transaction type 30, Sequence #3

In column 79, enter a 1 character value for **DRAFT CONTROL LOCATION** from the list below.

- 1 - UP PASS
- 2 - BREACHING
- 3 - FIVE CONNECTOR
- 4 - OTHER

Online Error Messages:

INVALID DRAFT CONTROL LOCATION.

DRAFT CONTROL LOCATION must be from list above.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID DRAFT CONTROL LOCATION.

DRAFT CONTROL LOCATION must be from list above.

6.1.29 **STATE EMISSIONS DATA ELEMENT 2**

STATE EMISSIONS DATA ELEMENT 2 is an optional user-defined field used to maintain information relating to state emissions information.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'SDE 2' field found on the General Point Information screen, enter a 1 character value for **STATE EMISSIONS DATA ELEMENT 2**.

Batch: Transaction type 30, Sequence #4

In column 20, enter a 1 character value for **STATE EMISSIONS DATA ELEMENT 2**.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.1.30 STATE EMISSIONS DATA ELEMENT 3

STATE EMISSIONS DATA ELEMENT 3 is an optional user-defined field used to maintain information relating to state emissions information.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'SDE 3' field found on the General Point Information screen, enter a 2 character value for **STATE EMISSIONS DATA ELEMENT 3**.

Batch: Transaction type 30, Sequence #4

In columns 21-22, enter a 2 character value for **STATE EMISSIONS DATA ELEMENT 3**.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.1.31 **STATE EMISSIONS DATA ELEMENT 4**

STATE EMISSIONS DATA ELEMENT 4 is an optional user-defined field used to maintain information relating to state emissions information.

Attributes: 4 character code
 Not required

Coding Instructions:

Online: Screen 330

In the 'SDE 4' field found on the General Point Information screen, enter a 4 character value for **STATE EMISSIONS DATA ELEMENT 4**.

Batch: Transaction type 30, Sequence #

In columns 23-26, enter a 4 character value for **STATE EMISSIONS DATA ELEMENT 4**.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.1.32 STATE EMISSIONS DATA ELEMENT 5

STATE EMISSIONS DATA ELEMENT 5 is an optional user-defined field used to maintain information relating to state emissions information.

Attributes: 6 character code
 Not required

Coding Instructions:

Online: Screen 330

 In the 'SDE 5' field found on the General Point Information screen, enter a 6 character value for **STATE EMISSIONS DATA ELEMENT 5**.

Batch: Transaction type 30, Sequence #4

 In columns 27-32, enter a 6 character value for **STATE EMISSIONS DATA ELEMENT 5**.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.1.33 **POINT DESCRIPTION**

POINT DESCRIPTION is a description of the point where emissions actually occur. This point description field appears on the point general screen displayed for emissions only points.

Attributes: 25 character code
Not required

Coding Instructions:

Online: Screen 330

In the 'POINT DESCRIPTION' field found on the General Point Information screen, enter up to 25 characters for **POINT DESCRIPTION**.

Batch: Transaction type 30, Sequence #4

In columns 18-42, enter up to 25 characters for **POINT DESCRIPTION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.1.34 **OPERATION START TIME**

OPERATION START TIME is the time of day when the operations or processes represented by the point begin. It is experienced in military time: 00:00 - 23:59.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'OPERATION START TIME' field found on the General Point Information -SIP screen, enter a valid 4 digit value for **OPERATION START TIME**.

Batch: Transaction type 30, Sequence #4

In columns 58-61, enter a valid 4 digit value for **OPERATION START TIME**.

Online Error Messages:

OPER START TIME MUST BE VALID MILITARY TIME - 00:00 to 23:59.

OPERATION START TIME must be valid military time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - OPER START TIME MUST BE VALID MILITARY TIME - 00:00 to 23:59.

OPERATION START TIME must be valid military time.

6.1.35 **OPERATION END TIME**

OPERATION END TIME is the time of day when the operations or processes represented by the point end. It is expressed in military time: 00:00 - 23:59.

Attributes: 4 digit code
 Not required

Coding Instructions:

Online: Screen 330

In the 'OPERATION END TIME' field found on the General Point Information - SIP screen, enter a valid 4 digit value for **OPERATION END TIME**.

Batch: Transaction type 30, Sequence #4

In columns 62-65, enter a valid 4 digit value for **OPERATION END TIME**.

Online Error Messages:

OPER END TIME MUST BE VALID MILITARY TIME - 00:00 to 23:59.

OPERATION END TIME must be valid military time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - OPER END TIME MUST BE VALID MILITARY TIME - 00:00 to 23:59.

OPERATION END TIME must be valid military time.

6.2 Update AFS Point Pollutant

AFS Point Pollutant records support the tracking of specific pollutant compliance and emissions value data associated with AFS points.

6.2.1 Common Data Fields

The data fields described in this section are common to all AFS Point Pollutant batch update transactions.

6.2.1.1 POINT NUMBER

POINT NUMBER is a three-character emission point identifier.

Attributes: 3 character code
 Required

Coding Instructions:

Online: Screen 331

In the 'POINT' field found on the Point Pollutant Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 331, Sequence #1

In columns 16-18, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

POINT NUMBER MUST EXIST

The **POINT NUMBER** entered for point pollutant data input must be an existing AFS point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

POINT NUMBER MUST EXIST

The **POINT NUMBER** entered for point pollutant data input must be an existing AFS point.

6.2.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 331

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the General Point Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 31, Sequence #1

In column 19, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.2.1.3 **POLLUTANT CODE**

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the point level for emissions.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 331

In the 'POLLUTANT CODE' field found on the Point Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table.

Batch: Transaction type 31, Sequence #1

In columns 20-24, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table.

Online Error Messages:

INVALID POLLUTANT

POLLUTANT CODE must be from the Geocommon Parameter Table.

EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

POLLUTANT CODE or Chemical Abstract Service (CAS) Number is required but both cannot be entered at the same time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the Geocommon Parameter Table.

TRANSACTION ERROR - EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

POLLUTANT CODE or Chemical Abstract Service (CAS) Number is required but both cannot be entered at the same time.

6.2.1.4 CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 331

In the 'CHEMICAL ABSTRACT #' field found on the Point Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE(CAS) NUMBER** from the Geocommon Parameter Table. Valid values are available either by browsing the Geocommon tables, or invoking AFS Help by entering a "?" as the first character of the field.

Batch: Transaction type 31, Sequence #1

In columns 20-28, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS
REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or
POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon
Parameter Table.

6.2.2 **EMISSIONS TYPE**

EMISSIONS TYPE describes the type of emissions being tracked at a facility.

Attributes: 4 character code
Required to establish a Point Pollutant record.

Coding Instructions:

Online: Screen 331

In the column labeled 'EMISSIONS TYPE', enter a valid 4 character value for **EMISSIONS TYPE** from the list below.

Batch: Transaction type 31, Sequence #1

In columns 29-32, enter a valid 4 character value for **EMISSIONS TYPE INDICATOR** from the list below.

ALLW - Allowable
POTC - Potential Controlled
POTU - Potential Uncontrolled
ACTU - Actual Uncontrolled
MEAS - Measured
SDEF - State Defined
LIME - Emission Limitation

Definitions:

ALLOWABLE EMISSIONS -

The maximum emissions for a pollutant that the plant is legally allowed to discharge into the atmosphere.

POTENTIAL CONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and the design value of control equipment efficiency (%).

POTENTIAL UNCONTROLLED EMISSIONS -

The annual pollutant emissions of the plant while operating at the maximum design capacity, a schedule of 8760 hours per year, and without any emission control.

ACTUAL UNCONTROLLED -

The annual "actual" emissions which have been estimated or calculated for a plant in the state approved emissions inventory, added to those annual emissions that have been removed by the application of a control factor.

MEASURED -

The annual "actual" emissions which have been estimated or calculated for a plant in the state approved emissions inventory.

LIME -

Emission Limitation is a requirement to limit the total allowable emissions at the point level. The limitation shall be expressed in units of mass per time and shall be calculated as the sum of uncontrolled process and fugitive emissions and emissions from any control system.

Online Error Messages:

INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE must be from the list above.

6.2.3 EMISSIONS VALUE

Expresses the emissions value at the point level (used in conjunction with the **DECIMAL POSITION**.)

Attributes: 7 digits (batch); 8 digits including a decimal point (online)
Required for each **EMISSION TYPE** specified.

Coding Instructions:

Online: Screen 331
In the 'EMISSIONS VALUE' column found on the Point Pollutant Information screen, enter 0 - 9999999 for **EMISSIONS**. Enter the decimal character '.' in the appropriate position in the emissions value.

Batch: Transaction type 31, Sequence #1
In columns 33 - 39, enter 0 - 9999999 for **EMISSIONS**.

Online Error Messages:

XXXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.
(Where XXXXXXXXXXXXXXXX is the emissions type. This may be a descriptive text, such as 'ALLOWABLE', or a type code, such as 'ALLW'.
All emissions must be entered as a numeric.

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)
Emission values may contain only one decimal point.

INVALID XXXX EMISSIONS - MUST BE BETWEEN 0 - 9999999.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

The minimum emissions value is 0 and the maximum is 9999999

Batch Transaction Report Error Messages:

TRANSACTION ERROR - XXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.
(Where XXXXXXXXXXXXXXXXXXXX is the emissions type. This may be a descriptive text, such as 'ALLOWABLE', or a type code, such as 'ALLW'.
All emissions must be entered as a numeric.

6.2.4 **DECIMAL POSITION**

DECIMAL POSITION identifies the location of the decimal point in an emissions value by indicating how many places are to the right of the decimal.

Attributes: 1 digit
Required for each **EMISSIONS TYPE** entered.

Coding Instructions:

Online: Screen 331

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 31, Sequence #1

In column 40, enter a valid 1 digit value for **DECIMAL POSITION** between 0-7.

Online Error Messages:

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as ALLW.)

Emission values may contain only one decimal point.

Batch Transaction Error Messages:

TRANSACTION ERROR - DECIMAL POSITION MUST BE NUMERIC BETWEEN 0 AND 7.

DECIMAL POSITION must be a numeric value from 0-7.

6.2.5 **UNITS**

UNITS is a two-character code identifying the units associated with an emissions value. Typically, this value is expressed as a weight/time identifier.

Attributes: 2 character code
Required for each **EMISSIONS TYPE** entered.

Coding Instructions:

Enter the **UNITS** according to the emissions type associated with the facility.

Online: Screen 331

In the column labeled 'UNIT' found on the Point Pollutant Information screen, enter a valid 2 character value for **UNITS** from the list below.

Batch: Transaction type 31, Sequence #1

In column 41-42, enter a valid 2 character value for **UNITS** from the list below.

ALLOWABLE EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DRY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS

08 - POUNDS PER TON OF FEED MATERIAL
09 - POUNDS PER TON OF PRODUCT
10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
11 - POUNDS PER MEGAWATT-HOUR
12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
13 - PERCENT REDUCTION IN EMISSIONS
14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
16 - MILLIGRAMS PER LITER OF LIQUID LOADED
17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

POTENTIAL CONTROLLED and UNCONTROLLED EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR

ACTUAL UNCONTROLLED EMISSIONS UNITS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HR
TM - TONS/MONTH
TY - TONS/YEAR

Online Error Messages:

INVALID UNITS.

UNITS must be from list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID UNITS.

UNITS must be from list above.

6.2.6 **METHOD CODE**

METHOD CODE is a one-character code identifying the method used to determine pollutant emissions at the point.

Attributes: 1 character code
Required for emission types identified below

Coding Instructions:

Online: Screen 331

In the 'METHOD CODE' field found on the Point Pollutant Information screen, enter a valid 1 character value for **METHOD CODE** from the list below.

Batch: Transaction type 31, Sequence #1

In column 43, enter a valid 1 character value for **METHOD CODE** from the list below.

ACTUAL UNCONTROLLED -

- 1 - EMISSIONS COMPUTER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 2 - EMISSIONS USER - CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 3 - EMISSIONS ESTIMATED BECAUSE NO EMISSIONS DATA AVAILABLE.

MEASURED -

- 1 - U.S. EPA REFERENCE METHOD
- 2 - OTHER PARTICULATE SAMPLING TRAIN
- 3 - LIQUID ABSORPTION TECHNIQUE
- 4 - SOLID ABSORPTION TECHNIQUE
- 5 - FREEZING-OUT TECHNIQUE
- 6 - GRAB SAMPLING (INTERMITTENT) TECHNIQUE
- 9 - OTHER, SPECIFY IN COMMENT

Online Error Messages:

ACTUAL UNCONTROLLED EMISSIONS METHOD CODE MUST BE ENTERED.

Users must input an **ACTUAL UNCONTROLLED EMISSIONS METHOD CODE** when an actual uncontrolled emissions value is entered.

INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

ACTUAL UNCONTROLLED EMISSIONS METHOD CODE must be from the list above.

INVALID MEASURED EMISSIONS METHOD CODE.

MEASURED EMISSIONS METHOD CODE must be from the list above.

MEASURED EMISSIONS METHOD CODE REQUIRED

A **MEASURED EMISSIONS METHOD CODE** must be entered if a measured emissions value is also entered

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID MEASURED EMISSIONS METHOD CODE.

MEASURED EMISSIONS METHOD CODE must be from the list above.

ACTUAL UNCONTROLLED EMISSIONS METHOD CODE MUST BE ENTERED.

Users must input an **ACTUAL UNCONTROLLED EMISSIONS METHOD CODE** when an actual uncontrolled emissions value is entered.

TRANSACTION ERROR - INVALID ACTUAL UNCONTROLLED EMISSIONS METHOD CODE.

ACTUAL UNCONTROLLED EMISSIONS METHOD CODE must be from the list above.

6.2.7 **STATE REGULATION NUMBER**

STATE REGULATION NUMBER is the state regulation governing point pollutant emission tracking.

Attributes: 15 character code
Not required

Coding Instructions:

Online: Screen 331

In the 'STATE REGULATION NUMBER' field found on the Point Pollutant Information screen, enter a 15 character value for **STATE REGULATION NUMBER**.

Batch: Transaction type 31, Sequence #2

In columns 29-43, enter a 15 character value for **STATE REGULATION NUMBER**.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.2.8 STATE PRIVATE INDICATOR

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and is designated State Private.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 331

In the 'STATE PRIVATE INDICATOR' field found in the Point Pollutant Information screen, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Batch: Transaction type 31, Sequence #2

In column 44, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR - ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be a 'N' in order to Update an existing Segment Comment.

6.2.9 **EMISSIONS LIMITATION DESCRIPTION**

EMISSIONS LIMITATION DESCRIPTION is a 30 character emission limitation description.

Attributes: 30 character code
Not required

Coding Instructions:

Online: Screen 331

In the 'EMISSION LIMITATION DESCRIPTION' field found on the Point Pollutant Information -SIP screen, enter a 30 character value for **EMISSION LIMITATION DESCRIPTION**.

Batch: Transaction type 31, Sequence #3

In columns 29-58, enter a 30 character value for **EMISSION LIMITATION DESCRIPTION**.

Online Error Messages:

EMIS LIM DESCR OR VALUE WHEN THERE IS A SIP RULE IN PLACE.

EMISSIONS LIMITATION DESCRIPTION is required when there is a SIP Rule in Place.

Batch Transaction Error Messages:

TRANSACTION ERROR - EMIS LIM DESCR OR VALUE WHEN THERE IS A SIP RULE IN PLACE.

EMISSIONS LIMITATION DESCRIPTION is required when there is a SIP Rule in Place.

6.2.10 SIP RULE IN PLACE

SIP RULE IN PLACE indicates whether a SIP Rule is in effect for a specific Inventory Year and/or the Type of Regulatory Emission Limitation Applicable.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 331

In the 'SIP RULE IN PLACE' field found in the AFS Point Pollutant Information screen, enter a **SIP RULE IN PLACE** from the list below.

Batch: Transaction type 31, Sequence #3

In column 59, enter a **SIP RULE IN PLACE** from the list below.

Y - YES
N - NO
B - BACT
M - MACT
R - RACT

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

BACT - Best Available Control Technology - BACT standards governs a selected group of sources which emit particulate matter.

MACT -

Maximum Achievable Control Technology - MACT standards govern a selected group of industrial facilities which emit various air toxics.

RACT -

Reasonably Available Control Technology - RACT standards govern all major sources with the potential to emit 100 tons per year (TPY) of VOCs and NO_x.

Online Error Messages:

INVALID SIP RULE IN PLACE.

SIP RULE IN PLACE must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SIP RULE IN PLACE.

SIP RULE IN PLACE must be a valid value as listed above.

6.2.11 **YEAR LAST REGULATED**

YEAR LAST REGULATED indicates the most recent year a SIP Rule was in effect for the regulated point.

Attributes: 2 digit code
Not Required

Coding Instructions:

Online: Screen 331

In the 'YEAR LAST REGULATED' field found in the AFS Point Pollutant Information screen, enter a **YEAR LAST REGULATED**. Valid date format is YY.

Batch: Transaction type 31, Sequence #3

In columns 60 - 61, enter a **YEAR LAST REGULATED**. Valid date format is YY.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

YEAR LAST REGULATED must be the valid FIPS code, as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

YEAR LAST REGULATED must be the valid FIPS code, as listed above.

6.2.12 **YEAR LAST MODIFIED**

YEAR LAST MODIFIED indicates the most recent year the SIP Rule was modified for the point.

Attributes: 2 digit code
Not Required

Coding Instructions:

Online: Screen 331

In the 'YEAR LAST MODIFIED' field found in the AFS Point Pollutant Information screen, enter a **YEAR LAST MODIFIED**. Valid date format is YY.

Batch: Transaction type 31, Sequence #3

In columns 62 - 63, enter a **YEAR LAST MODIFIED**. Valid date format is YY.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

YEAR LAST MODIFIED MUST BE YY FORMAT.

YEAR LAST MODIFIED must be the valid date format of Year-Year (YY).

YEAR LAST MODIFIED MUST BE LESS THAN OR EQUAL TO YEAR OF EMIS INV.

YEAR LAST MODIFIED must be less than or equal to the Year of Emissions Inventory.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR LAST MODIFIED MUST BE YY FORMAT.

YEAR LAST MODIFIED must be a valid date format of Year-Year (YY).

TRANSACTION ERROR - YEAR LAST MODIFIED MUST BE LESS THAN OR EQUAL TO YEAR OF EMIS INV.

YEAR LAST MODIFIED must be less than or equal to the Year of Emissions Inventory.

6.3 **Update AFS Point Air Program****Common Data Field**

The data fields Point Number, Compliance/Emissions Identifier and Air Program serve as the common data elements to associate all AFS Point Air Program fields and therefore must be referenced in all batch update transactions.

6.3.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions occur. For updating Point Air Program data, an existing point number must be used.

Attributes: 3 character code
Required

Coding Instructions:

Online: Screen 332

In the 'POINT' field found on the Point Air Program Information screen, enter an existing 3 character code for **POINT NUMBER**.

Batch: Transaction type 32, Sequence #1

In columns 14-16, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.3.2 **COMPLIANCE/EMISSIONS IDENTIFIER**

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 332

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the General Point Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 32, Sequence #1

In column 17, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.3.3 **AIR PROGRAM CODE**

AIR PROGRAM CODE is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

The Point Air Program code must exist at the plant level prior to updating the record.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 332

In the 'AIR PROGRAM CODE' field found on the Point Air Program Information screen, enter a valid 1 character code for AIR PROGRAM CODE from the table below.

Batch: Transaction type 32, Sequence #1

In column 18, enter a valid 1 character code for AIR PROGRAM CODE 6 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC -

Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR -

New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP -

National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS -

New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE must be entered.

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be from the list above.

AIR PROGRAM CODE DOES NOT EXIST FOR PLANT

AIR PROGRAM CODE must exist for the plant since it is the primary descriptive data element in AFS Point Air Program.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE must be entered.

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR PLANT.

AIR PROGRAM CODE must exist for the plant since it is the primary descriptive data element in AFS Point Air Program.

6.3.4 STATE COMPLIANCE STATUS (POINT)

STATE COMPLIANCE STATUS is a one-character code indicating the compliance status of a plant, or points within a plant, that has been assigned by the state. The overall compliance status of a plant, or the status with respect to an individual air program, is generated to reflect the worst-case compliance status of any plant pollutant regulated by an air program. Point compliance status should be consistent with the overall plant air program status, but it is not automatically validated by AFS.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 332

In the 'STATE COMPLIANCE STATUS' field found on the Point Air Program Information screen, enter a valid 1 character code for **STATE COMPLIANCE STATUS** from the list below.

Batch: Transaction type 32, Sequence #1

In column 19, enter a valid 1 character code for **STATE COMPLIANCE STATUS** from the list below.

(In order from worst to best case)

OUT OF COMPLIANCE

- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 1 - IN VIOLATION - NO SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE

UNKNOWN COMPLIANCE

- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 0 - UNKNOWN COMPLIANCE STATUS
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE

5 - MEETING COMPLIANCE SCHEDULE

IN COMPLIANCE

- C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
- 4 - IN COMPLIANCE - CERTIFICATION
- 3 - IN COMPLIANCE - INSPECTION
- M - IN COMPLIANCE - CEMS
- 2 - IN COMPLIANCE - SOURCE TEST
- 8 - NO APPLICABLE STATE REGULATION
- 9 - IN COMPLIANCE - SHUT DOWN
- P - PRESENT, SEE OTHER PROGRAM(S)

Online Error Messages:

STATE COMPLIANCE STATUS IS REQUIRED.

STATE COMPLIANCE STATUS must be entered.

INVALID STATE COMPLIANCE STATUS.

STATE COMPLIANCE STATUS must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE COMPLIANCE STATUS IS REQUIRED.

STATE COMPLIANCE STATUS must be entered.

TRANSACTION ERROR - INVALID STATE COMPLIANCE STATUS.

STATE COMPLIANCE STATUS must be from the list above.

6.3.5 EPA COMPLIANCE STATUS (POINT)

EPA COMPLIANCE STATUS is a one-character code indicating whether a point is in compliance, not in compliance, or has an unknown compliance status. This field is used when an EPA compliance status value differs from the state compliance status value submitted by a state. The compliance status for a plant is generated to reflect the worst-case compliance status of any pollutant regulated by an air program. Point compliance status should be consistent with the overall plant air program status, but it is not automatically validated by AFS.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 332

In the 'EPA COMPLIANCE STATUS' field found on the Point Air Program Information screen, enter a valid 1 character code for **EPA COMPLIANCE STATUS** from the list below.

Batch: Transaction type 32, Sequence #1

In column 20, enter a valid 1 character code for **EPA COMPLIANCE STATUS** from the list below.

(In order from worst to best case)

OUT OF COMPLIANCE

- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 1 - IN VIOLATION - NO SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE

UNKNOWN COMPLIANCE

- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- 0 - UNKNOWN COMPLIANCE STATUS
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE

ON SCHEDULE

5 - MEETING COMPLIANCE SCHEDULE

IN COMPLIANCE

- C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
- 4 - IN COMPLIANCE - CERTIFICATION
- 3 - IN COMPLIANCE - INSPECTION
- M - IN COMPLIANCE - CEMS
- 2 - IN COMPLIANCE - SOURCE TEST
- 8 - NO APPLICABLE STATE REGULATION
- 9 - IN COMPLIANCE - SHUT DOWN
- P - PRESENT, SEE OTHER PROGRAM(S)

Online Error Messages:

INVALID EPA COMPLIANCE STATUS.

EPA COMPLIANCE STATUS must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID EPA COMPLIANCE STATUS.

EPA COMPLIANCE STATUS must be from the list above.

6.3.6 AIR PROGRAM STATUS

AIR PROGRAM STATUS represents the operational condition of a plant or point relative to a given air program.

Attributes: 1 character code
 Required

Coding Instructions:

Online: Screen 332

In the 'AIR PROGRAM STATUS' field found on the Point Air Program Information screen, enter a valid 1 character value for **AIR PROGRAM STATUS** from the list below.

Batch: Transaction type 32, Sequence #1

In column 21, enter a valid 1 character value for **AIR PROGRAM STATUS** from the list below.

O - OPERATING
P - PLANNED (HAS APPLIED FOR A CONSTRUCTION PERMIT)
C - UNDER CONSTRUCTION
T - TEMPORARILY CLOSED
X - PERMANENTLY CLOSED
I - SEASONAL
D - NESHAP DEMOLITION
R - NESHAP RENOVATION
S - NESHAP SPRAYING

Definitions:

NESHAP -	National Emission Standards for Hazardous Air Pollutants - A set of EPA requirements specifically for hazardous air pollutants.
DEMOLITION -	wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility which presents a safety or public health hazard.
RENOVATION -	altering a facility or one or more facility components in any way, including the stripping or removal of a hazardous pollutant from a facility component.

Online Error Messages:

INVALID AIR PROGRAM STATUS.

AIR PROGRAM STATUS must be from the list above.

AIR PROGRAM STATUS REQUIRED.

AIR PROGRAM STATUS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM STATUS.

AIR PROGRAM STATUS must be from the list above.

TRANSACTION ERROR - AIR PROGRAM STATUS REQUIRED.

AIR PROGRAM STATUS must be entered.

6.3.7 STATE IMPLEMENTATION PLAN

STATE IMPLEMENTATION PLAN is a one-character code identifying the type of enforcement schedule imposed on a plant or its points, when either is not meeting enforceable SIP emission limits.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 332

In the 'STATE IMPLEMENTATION PLAN' field found on the Point Air Program Information screen, enter a valid value for **STATE IMPLEMENTATION PLAN** from the list below.

Batch: Transaction type 32, Sequence #1

In column 22, enter a valid value for **STATE IMPLEMENTATION PLAN** from the list below.

BLANK - NO SCHEDULE
0 - SCHEDULE STATUS UNKNOWN
1 - FEDERAL DCO
2 - FEDERAL SIP SCHEDULE
3 - FEDERAL COURT ORDER - NONCONSENT
4 - FEDERAL CONSENT DECREE
5 - FEDERAL SCHEDULE BEING DEVELOPED
6 - NON-FEDERAL SCHEDULE (ST DCO)
7 - NON-FEDERAL SCHEDULE BEING DEVELOPED
8 - FEDERAL ADMINISTRATION ORDER - NON DCO
9 - SUBJECT TO OFFSET

Definitions:

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

COMPLIANCE SCHEDULE -

A legally enforceable schedule specifying a date or dates by which a source must comply with specific emission standards contained in a plan or with any increments of progress to achieve such compliance.

DCO -

Delayed Compliance Order - Delayed schedules of compliance were issued historically but are no longer considered a legal administrative order under the current Clean Air Act (CAA).

Online Error Messages:

INVALID STATE IMPLEMENTATION PLAN.

STATE IMPLEMENTATION PLAN must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE IMPLEMENTATION PLAN.

STATE IMPLEMENTATION PLAN must be from the list above.

6.3.8 REGIONAL DATA ELEMENT 7

REGIONAL DATA ELEMENT 7 is an optional field defined by EPA regional personnel and used to maintain region specific information relating to plant or point level actions.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: Screen 332

In the 'REGIONAL DATA ELEMENT 7' field found on the Point Air Program Information screen, valid values for **REGIONAL DATA ELEMENT 7** are from 0 thru 9 or A thru Z.

Batch: Transaction type 32, Sequence #1

In column 23, valid values for **REGIONAL DATA ELEMENT 7** are from 0 thru 9 and A thru Z.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.3.9 **REGIONAL DATA ELEMENT 15**

REGIONAL DATA ELEMENT 15 is an optional field defined by EPA regional personnel and used to maintain region specific information relating to plant or point level actions.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 332

In the 'REGIONAL DATA ELEMENT 15' field found on the Point Air Program Information screen, valid values for **REGIONAL DATA ELEMENT 15** are from 0 thru 9 or A thru Z.

Batch: Transaction type 32, Sequence #1

In column 24, valid values for **REGIONAL DATA ELEMENT 15** are from 0 thru 9 and A thru Z.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.3.10 **POLLUTANT CODE**

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the point level for emissions.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 332

In the 'POLLUTANT CODE' field found on the Point Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 32, Sequence #1

In columns 25-29, enter a valid value for **POLLUTANT CODE** from the list below.

AB - ASBESTOS
BE - BERYLLIUM
CD - CADMIUM
HCL - HYDROCHLORIC ACID
HG - MERCURY
NH3 - AMMONIA
SO2 - SULFUR DIOXIDE
VC - VINYL CHLORIDE
ACETY - ACETYLENES (ALKYNES)
AROM - AROMATICS
CFC - CHLOROFLUOROCARBONS
FE - FUGITIVE EMISSIONS
HC - TOTAL HYDROCARBONS
OACID - ORGANIC ACIDS
OLEF - OLEFINS
PARAF - PARAFFINS (ALKANES)
PM2.5 - PARTICULATE MATTER
ASC - ARSENIC COMPOUNDS
BEC - BERYLLIUM COMPOUNDS

PT - TOTAL PARTICULATE MATTER
TS - TOTAL REDUCED SULFUR

AS - ARSENIC
BZ - BENZENE
CO - CARBON MONOXIDE
HF - HYDROFLUORIC ACID
H2S - HYDROGEN SULFIDE
NO - NITRIC OXIDE
SO3 - SULFUR TRIOXIDE
ZN - ZINC
ALDHY - ALDEHYDES
CE - COKE OVEN EMISSIONS
FD - FUGITIVE DUST
FL - FLUORIDES
KETON - KETONES
OD - ODORS
OT - OTHER
PM10 - PARTICULATE MATTER
PNA - POLYNUCLEAR AROMATICS
BAC - BARIUM COMPOUNDS
CDC - CADMIUM COMPOUNDS

SO4 - SULFATES
VE - VISIBLE EMISSIONS

AFS Data Coding		AFS User's Guide AF2
VOC - VOLATILE ORGANIC COMPOUNDS		SBC - ANTIMONY COMPOUNDS
CLPH - CHLORPHENOLS		CRC - CHROMIUM COMPOUNDS
COC - COBALT COMPOUNDS		CUC - COPPER COMPOUNDS
CNC - CYANIDE COMPOUNDS		GLYET - GLYCOL ETHERS
PBC - LEAD COMPOUNDS		MNC - MANGANESE COMPOUNDS
HGC - MERCURY COMPOUNDS		NIC - NICKEL COMPOUNDS
PBB - POLYBROMINATED BIPHENYLS		SEC - SELENIUM COMPOUNDS
NO2 - NITROGEN DIOXIDE		PB - LEAD
PX - DEFAULT POLLUTANT FROM CDS		
P1 - FINE PARTICULATES: HIGH PROBABILITY OF NON-ATTAINMENT		
P2 - FINE PARTICULATES: LOW PROBABILITY OF NON-ATTAINMENT		

Online Error Messages:

INVALID POLLUTANT

POLLUTANT CODE must be from the list above.

EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

POLLUTANT CODE or Chemical Abstract Service (CAS) Number is required but both cannot be entered at the same time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the list above.

TRANSACTION ERROR - EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

POLLUTANT CODE or Chemical Abstract Service (CAS) Number is required but both cannot be entered at the same time.

6.3.11 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 332

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE(CAS) NUMBER** from the POLLUTANT TABLE file.

Batch: Transaction type 32, Sequence #1

In columns 25-33, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS
REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or
POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE
file.

6.3.12 SUBPARTS UPDATE INDICATOR

SUBPARTS UPDATE INDICATOR is a one-character code indicating the method chosen to update the subpart elements in batch. The Subpart update indicators and their significance are:

- R Replace all 9 subpart codes with subpart codes provided on transaction
- A Append transaction subpart codes to existing subpart codes
- P Update existing subpart codes with the subpart codes on the transaction, by overlaying the existing values that correspond to the subpart positions (1 through 9) supplied on the transaction. For example, to change the third subpart code in AFS, submit a transaction with a subpart update indicator of "P" and a new Subparts value in columns 45-49.

Attributes: 1 character code
 Not required

Coding Instructions:

Online: The 'SUBPARTS UPDATE INDICATOR' field is **not** applicable online. The methods available for updating subpart values may be performed on the Plant Air Program subpart information screen through normal update procedures.

Batch: Transaction type 32, Sequence #1

In column 34, enter a valid value for **SUBPARTS UPDATE INDICATOR** from the list below. Method "A" is the default indicator used if left blank and a Subpart (1-9) value is supplied on the transaction.

R - REPLACE
A - APPEND
P - POSITIONALLY UPDATE

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SUBPART UPDATE INDICATOR - MUST BE "A", "R" OR "P".

SUBPARTS UPDATE INDICATOR must be one of the values stated.

TRANSACTION ERROR - SUBPART INDICATOR MUST BE "P" TO REPLACE VALUE WITH BLANK.

SUBPARTS UPDATE INDICATOR must be "P" when an '*' is used to blank out a subpart value.

TRANSACTION ERROR - SUBPART INFORMATION IS ONLY PARTIALLY COMPLETE.

SUBPARTS UPDATE INDICATOR must be accompanied by at least one subparts value.

6.3.13 **SUBPARTS 1 - 9**

SUBPARTS 1-9 are character codes indicating the subpart for Point Air Programs: "9" - NSPS; "8" - NESHAP; "M" - MACT NESHAP; "0" - SIP SOURCE; and "1" - SIP SOURCE UNDER FEDERAL JURISDICTION. The subpart information pertains to sections 60, 61 and 63 of the Code of Federal Regulations respectively. Up to nine subpart codes may be associated with each Point Air Program.

Attributes: minimum 1 / maximum 5 character code
 Not required

Coding Instructions:

Online: Screen 332

Enter a Subpart value from the Geo-Common Description Table applicable to the Air Program. Valid values may be obtained using the Geo-Common Description Table retrieval function or by placing a "?" in the first character of the online data field.

Batch: Transaction type 32, Sequence #1

In columns 35-39, enter a valid value for **SUBPARTS 1**.
In columns 40-44, enter a valid value for **SUBPARTS 2**.
In columns 45-49, enter a valid value for **SUBPARTS 3**.
In columns 50-54, enter a valid value for **SUBPARTS 4**.
In columns 55-59, enter a valid value for **SUBPARTS 5**.
In columns 60-64, enter a valid value for **SUBPARTS 6**.
In columns 65-69, enter a valid value for **SUBPARTS 7**.
In columns 70-74, enter a valid value for **SUBPARTS 8**.
In columns 75-79, enter a valid value for **SUBPARTS 9**.

Online Error Messages:

INVALID SUBPART CODE.

SUBPARTS 1 - 9 must be on the Geo-Common Description Table.

THE SUBPART CODE ALREADY EXISTS.

SUBPARTS 1 - 9 must be unique for the Air Program.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SUBPART CODE.

SUBPARTS 1 - 9 must be on the Geo-Common Description Table.

TRANSACTION ERROR - THE SUBPART CODE ALREADY EXISTS.

SUBPARTS 1 - 9 must be unique for the Air Program.

TRANSACTION ERROR - CANNOT UPDATE SUBPARTS - AIR PGM CODE MUST EQUAL "8", "9", "M", "0" or "1".

SUBPARTS 1 - 9 may only be entered for the Air Programs specified.

TRANSACTION ERROR - THE MAXIMUM NUMBER OF SUBPART CODES HAVE BEEN EXCEEDED.

A maximum of nine **SUBPARTS** may be added for a Point Air Program.

6.4 Point Monitor Information

Point Monitor records are used to maintain data for continuous emissions monitors, typically installed on a stack or vent within a facility.

6.4.1 Common Data Field

The data fields common to all AFS Point Monitor update transactions are Point Number, Compliance/Emissions Identifier and Channel Number.

6.4.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur. A point general record must exist on AFS for the facility before a point monitor record can be added.

Attributes: 3 character code
Required

Coding Instructions:

Online: Screen 333

In the 'POINT' field found on the Point Monitor Information screen, enter an existing 3 character code for **POINT NUMBER**.

Batch: Transaction type 33, Sequence #1-2

In columns 18-20, enter an existing 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT DOES NOT EXIST

A point general record must exist in AFS before a point monitor record may be added.

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

POINT DOES NOT EXIST

A point general record must exist in AFS before a point monitor record may be added.

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.4.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 333

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the Point Monitor Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 33, Sequence #1-2

In column 17, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.4.1.3 **CHANNEL NUMBER**

CHANNEL NUMBER is a three-character code identifying the type of monitoring conditions associated with either a point monitor or a point quarterly Excess Emission Report (EER). Each of the three characters of the **CHANNEL NUMBER** describe an aspect of the monitoring conditions. Enter the corresponding codes from the table below to indicate the following: type of emissions being monitored; whether a point monitor or point quarterly EER is being described; and if a single or group monitoring situation is present.

Attributes: 3 character code
Required

Coding Instructions:

Online: Screen 333

In the 'CHANNEL NUMBER' field found on the Point Monitor Information screen, valid values are listed on the tables below.

Batch: Transaction type 33, Sequence #1-2

In columns 18-20, for Point Monitor **CHANNEL NUMBER**, valid values are from the tables below.

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: MONITOR INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a point monitor, the second position must equal '1'.

THIRD CHARACTER: SINGLE/GROUP MONITOR NUMBER

Indicates if a monitor is the single monitor for the point or one of several monitoring the point. single monitors are indicated by a value of '1'. Cluster monitors are indicated by a sequential number between 2 - 9.

For Point Quarterly Excess Emissions Reports (EER), the **CHANNEL NUMBER** values are as follows:

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: EER INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a quarterly excess emission report, the second position must equal '9'.

THIRD CHARACTER: SINGLE/GROUP EER MONITOR NUMBER

The third character of an EER **CHANNEL NUMBER** must be either '5' (meaning "Percentage Reduction for SO₂ and NO_x") or '9' (meaning EER for all pollutants").

Online Error Messages:

INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one (point monitor) or a nine (EER report) as the second digit.

THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER for EER reporting must have a valid value as listed above for the third digit.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

TRANSACTION ERROR - CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

TRANSACTION ERROR - FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

TRANSACTION ERROR - SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one (point monitor) or a nine (EER report) as the second digit.

TRANSACTION ERROR - THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER (for EER reporting) must have a valid value as listed above for the third digit.

6.4.2 MONITOR MANUFACTURER

MONITOR MANUFACTURER is the manufacturer of the primary component of the monitoring unit.

Attributes: 20 character code
 Not Required

Coding Instructions:

Online: Screen 333

In the 'MONITOR MANUFACTURER' field found on the Point Monitor Information screen, enter up to 20 alphanumeric characters.

Batch: Transaction type 33, Sequence #1

In columns 21 - 40, enter up to 20 alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.4.3 MONITOR MODEL NUMBER

MONITOR MODEL NUMBER is the monitor model number.

Attributes: 15 character code
Not Required

Coding Instructions:

Online: Screen 333

In the 'MONITOR MODEL NUMBER' field found on the Point Monitor Information screen, enter up to 15 alphanumeric characters.

Batch: Transaction type 33, Sequence #1

In columns 41 - 55, enter up to 15 alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.4.4 MONITOR SERIAL NUMBER

MONITOR SERIAL NUMBER is the serial number used to identify a monitoring unit.

Attributes: 15 character code
 Not Required

Coding Instructions:

Online: Screen 333

In the 'MONITOR SERIAL NUMBER' field found on the Point Monitor Information screen, enter up to 15 alphanumeric characters.

Batch: Transaction type 33, Sequence #1

In columns 56 - 70, enter up to 15 alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.4.5 **MONITOR REQUIREMENT CODE**

MONITOR REQUIREMENT CODE is a one-character code identifying the regulation or mandate requiring the installation of Continuous Emissions Monitoring Equipment.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 333

In the 'MONITOR REQUIREMENT CODE' on the Point Monitor Information screen, valid enter a valid value for **MONITOR REQUIREMENT CODE** from the table below.

Batch: Transaction type 33, Sequence #1

In column 71, enter a valid value for **MONITOR REQUIREMENT CODE** from the table below.

0 - SIP SOURCE
3 - ENFORCEMENT ACTION
6 - PSD

Definitions:

SIP SOURCE -

A State Implementation Plan (SIP) is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards. A SIP SOURCE is a facility subject to these control measures and strategies.

ENFORCEMENT ACTION -

A legally enforceable order specifying a date or dates by which a source must comply with specific emission standards contained in a plan or with any increments of progress to achieve such compliance.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

Online Error Messages:

INVALID MONITOR REQUIREMENT CODE.

MONITOR REQUIREMENT CODE must be a valid value as listed above.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID MONITOR REQUIREMENT CODE.

MONITOR REQUIREMENT CODE must be a valid value as listed above.

6.4.6 **CEM ENFORCEMENT AGENCY**

CEM ENFORCEMENT AGENCY is a one-character code identifying the government agency with enforcement jurisdiction for Continuous Emission Monitoring (CEM) at the plant.

Attributes: 1 character code
Not required

Coding Instructions:

Online: Screen 333

In the 'CEM ENFORCEMENT AGENCY' Point Monitor Information screen, enter a valid value for **CEM ENFORCEMENT AGENCY** from the table below.

Batch: Transaction type 33, Sequence #1

In column 72, enter a valid value for **CEM ENFORCEMENT AGENCY** from the table below.

- 1 - EPA-HQ
- 2 - EPA-RGN
- 3 - STATE
- 4 - LOCAL

Online Error Messages:

INVALID CEM ENFORCEMENT AGENCY.

CEM ENFORCEMENT AGENCY must be a valid value as listed above.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID CEM ENFORCEMENT AGENCY.

CEM ENFORCEMENT AGENCY must be a valid value as listed above.

6.4.7 PERMISSIBLE EMISSIONS LIMIT

PERMISSIBLE EMISSIONS LIMIT is the units and values for the point's permissible emissions limit as specified by the regulation number.

Attributes: 20 character code
 Not required

Coding Instructions:

Online: Screen 333

 In the 'PERMISSIBLE EMISSIONS LIMIT' Point Monitor Information screen, enter up to twenty alphanumeric characters.

Batch: Transaction type 33, Sequence #2

 In columns 21-40, enter up to twenty alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.4.8 **INSTALLATION DATE**

INSTALLATION DATE is the year and month in which the monitor was installed.

Attributes: 4 character code
Not Required

Coding Instructions:

Online: Screen 333

In the 'INSTALLATION DATE' Point Monitor Information screen, enter a date in the format YYMM (Year-Year-Month-Month).

Batch: Transaction type 33, Sequence #2

In columns 41 - 44, enter a date in the format YYMM (Year-Year-Month-Month).

Online Error Messages:

INVALID MONITOR INSTALLATION DATE.

INSTALLATION DATE must be a valid date format YYMM.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID MONITOR INSTALLATION DATE.

INSTALLATION DATE must be a valid date format YYMM.

6.4.9 PERFORMANCE SPECIFICATION TEST DATE

PERFORMANCE SPECIFICATION TEST DATE is the year and month that the latest performance specification test was performed.

Attributes: 4 character code
 Not Required

Coding Instructions:

Online: Screen 333

In the 'PERFORMANCE SPECIFICATION TEST DATE' Point Monitor Information screen, enter a date in the format YYMM (Year-Year-Month-Month).

Batch: Transaction type 33, Sequence #2

In columns 45 - 48, enter a date in the format YYMM (Year-Year-Month-Month).

Online Error Messages:

INVALID PERFORMANCE SPECIFICATION TEST DATE.

PERFORMANCE SPECIFICATION TEST DATE must be a valid date format YYMM.

PERF. SPEC. TEST DATE AND/OR STATUS = BLANK INVALID.

PERFORMANCE SPECIFICATION TEST DATE cannot be empty.

BOTH PERF. SPEC. TEST DATE AND STATUS ARE REQUIRED.

PERFORMANCE SPECIFICATION TEST DATE is required.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID PERFORMANCE SPECIFICATION TEST DATE.

PERFORMANCE SPECIFICATION TEST DATE must be a valid date format YYMM.

TRANSACTION ERROR - PERF. SPEC. TEST DATE AND/OR STATUS = BLANK INVALID.

PERFORMANCE SPECIFICATION TEST DATE cannot be empty.

TRANSACTION ERROR - BOTH PERF. SPEC. TEST DATE AND STATUS ARE REQUIRED.

PERFORMANCE SPECIFICATION TEST DATE is required.

6.4.10 PERFORMANCE SPECIFICATION TEST STATUS

PERFORMANCE SPECIFICATION TEST STATUS is the result of the latest performance specification test.

Attributes: 4 character code
Not Required

Coding Instructions:

Online: Screen 333

In the 'PERFORMANCE SPECIFICATION TEST STATUS' Point Monitor Information screen, enter either 'PASS' or 'FAIL'.

Batch: Transaction type 33, Sequence #2

In columns 49 - 52, enter either 'PASS' or 'FAIL'.

Online Error Messages:

INVALID PERFORMANCE SPECIFICATION TEST STATUS.

PERFORMANCE SPECIFICATION TEST STATUS must be either 'PASS' or 'FAIL'.

PERF. SPEC. TEST DATE AND/OR STATUS = BLANK INVALID.

PERFORMANCE SPECIFICATION TEST STATUS cannot be empty.

BOTH PERF. SPEC. TEST DATE AND STATUS ARE REQUIRED.

PERFORMANCE SPECIFICATION TEST STATUS is required.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID PERFORMANCE SPECIFICATION TEST STATUS.

PERFORMANCE SPECIFICATION TEST STATUS must be either 'PASS' or 'FAIL'.

TRANSACTION ERROR - PERF. SPEC. TEST DATE AND/OR STATUS = BLANK INVALID.

PERFORMANCE SPECIFICATION TEST STATUS cannot be empty.

TRANSACTION ERROR - BOTH PERF. SPEC. TEST DATE AND STATUS ARE REQUIRED.

PERFORMANCE SPECIFICATION TEST STATUS is required.

6.4.11 CERTIFICATION DATE

CERTIFICATION DATE is the date a contractor is recorded by a state as certified to remove asbestos under provisions of the Asbestos Hazard Emergency Response Act (AHERA).

Attributes: 6 character code
 Not required

Coding Instructions:

Online: Screen 333

In the 'CERTIFICATION DATE' Point Monitor Information screen, enter a date in the format YYMMDD (Year-Year-Month-Month-Day-Day).

Batch: Transaction type 33, Sequence #2

In columns 53-58, enter a date in the format YYMMDD (Year-Year-Month-Month-Day-Day).

Online Error Messages:

INVALID CERTIFICATION DATE.

CERTIFICATION DATE must be a valid date format YYMMDD.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID CERTIFICATION DATE.

CERTIFICATION DATE must be a valid date format YYMMDD.

6.5 Update AFS Continuous Emissions Information

Quarterly monitored point excess emissions report values are monitored in the Continuous Emissions Information record.

6.5.1 Common Data Field

The data fields common to all AFS Continuous Emissions update transactions are Point Number, Compliance/Emissions Identifier, Channel Number and Report Quarter.

6.5.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur. A point general record must exist for all points prior to the addition of continuous emissions records.

Attributes: 3 character code
Required

Coding Instructions:

Online: Screen 334

In the 'POINT' field found on the Continuous Emissions Information screen, enter an existing 3 character code for **POINT NUMBER**.

Batch: Transaction type 34, Sequence #1-3

In columns 14-16, enter an existing 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER DOES NOT EXIST

A Point General Record must exist in AFS prior to the addition of a point access emissions report record.

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

POINT NUMBER DOES NOT EXIST

A Point General Record must exist in AFS prior to the addition of a point access emissions report record.

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.5.1.2 **COMPLIANCE/EMISSIONS IDENTIFIER**

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 334

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the Continuous Emissions Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 34, Sequence #1-3

In column 17, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.5.1.3 **CHANNEL NUMBER**

CHANNEL NUMBER is a three-character code identifying the type of monitoring conditions associated with either a point monitor or a point quarterly Excess Emission Report (EER). Each of the three characters of the **CHANNEL NUMBER** describe an aspect of the monitoring conditions. Enter the corresponding codes from the table below to indicate the following: type of emissions being monitored; whether a point monitor or point quarterly EER is being described; and if a single or group monitoring situation is present.

Attributes: 3 character code
Required

Coding Instructions:

Online: Screen 334

In the 'CHANNEL NUMBER' field found on the Continuous Emissions Information screen, enter a value from the table below.

Batch: Transaction type 34, Sequence #1-3

In columns 18-20, for Point Monitor **CHANNEL NUMBER**, enter a value from the table below.

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: MONITOR INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a point monitor, the second position must equal '1'.

THIRD CHARACTER: SINGLE/GROUP MONITOR NUMBER

Indicates if a monitor is the single monitor for the point or one of several monitoring the point. single monitors are indicated by a value of '1'. Cluster monitors are indicated by a sequential number between 2 - 9.

For Point Quarterly Excess Emissions Reports (EER), the **CHANNEL NUMBER** values are as follows:

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: EER INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a quarterly excess emission report, the second position must equal '9'.

THIRD CHARACTER: SINGLE/GROUP EER MONITOR NUMBER

The third character of an EER **CHANNEL NUMBER** must be either '5' (meaning "Percentage Reduction for SO₂ and NO_x") or '9' (meaning EER for all pollutants").

INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one (point monitor) or a nine (EER report) as the second digit.

THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER for EER reporting must have a valid value as listed above for the third digit.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

TRANSACTION ERROR - CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

TRANSACTION ERROR - FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

TRANSACTION ERROR - SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one (point monitor) or a nine (EER report) as the second digit.

TRANSACTION ERROR - THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER (for EER reporting) must have a valid value as listed above for the third digit.

6.5.1.4 **REPORT QUARTER**

REPORT QUARTER identifies the year and quarter in which an excess emissions report was submitted.

Attributes: 4 character code
Required

Coding Instructions:

Online: Screen 334

In the 'REPORT QUARTERS' field found on the Continuous Emissions Information screen, enter a date in the format YYQQ (Year-Year-Quarter-Quarter) with Quarter Values as follows: 01, 02, 03, 04 .

Batch: Transaction type 34, Sequence #1-3

In columns 21 - 24, enter a date in the format is YYQQ (Year-Year-Quarter-Quarter) with Quarter Values as follows: 01, 02, 03, 04 .

Online Error Messages:

REPORT QUARTER MUST BE '01', '02', '03', OR '04'.

REPORT QUARTER must be a valid value of 01, 02, 03, or 04.

REPORT QUARTER IS REQUIRED.

REPORT QUARTER must be entered.

Batch Transaction Error Messages:

TRANSACTION ERROR - REPORT QUARTER MUST BE '01', '02', '03', OR '04'.

REPORT QUARTER must be a valid value of 01, 02, 03, or 04.

TRANSACTION ERROR - REPORT QUARTER IS REQUIRED.

REPORT QUARTER must be entered.

6.5.2 CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 334

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE(CAS) NUMBER** from the POLLUTANT TABLE file.

Batch: Transaction type 34, Sequence #1

In columns 25-33, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

6.5.3 AIR PROGRAM CODE 1, 2, 3, 4, 5 AND/OR 6

The **AIR PROGRAM CODE 1** is a one-character code used to identify:

- 1) The regulatory air program(s) to which a plant is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 334

In the 'AIR PROGRAM FIELD 1,2,3,4,5, and/or 6' field found on the Continuous Emissions Information screen, enter a valid value from the table below.

Batch: Transaction type 34, Sequence #1

In column 34,35,36,37,38, and/or 39 enter a valid value from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

One or more **AIR PROGRAM CODES** must be entered in an exceedance report record.

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 1 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to the point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

One or more **AIR PROGRAM CODES** must be entered for each exceedance report record.

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point.

6.5.4 **TOTAL SOURCE OPERATING TIME**

TOTAL SOURCE OPERATING TIME is the total amount of time a plant is operating during the specified report quarter. Total Source Operating Time Units (6.5.8) identify the units associated with the operating time value.

Attributes: 6 character code
Required

Coding Instructions:

Online: Screen 334

In the 'TOTAL SOURCE OPERATING TIME' field found on the Continuous Emissions Information screen, enter a value 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 40 - 45, enter a value 0 thru 999,999.

Online Error Messages:

INVALID TOT SRCE OPER TIME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TOTAL SOURCE OPERATING TIME must be a numeric value without embedded or leading blanks.

THE TOTAL SOURCE OPERATING TIME MUST BE GREATER THAN THE SUM OF THE FOLLOWING: STARTUP/SHUTDOWN, CLEAN/SOOT BLOWING, UNKNOWN EXCESS EMIS, CNTRL EQMT FAILURE, PROCESS PROBLEMS, FUEL PROBLEMS, AND OTHER KNOWN EXCESS EMISSIONS.

TOTAL SOURCE OPERATING TIME must be greater than the sum of the following: Startup/Shutdown, Clean/Soot Blowing, Unknown Excess Emissions, Control Equipment Failure, Process Problems, Fuel Problems, and Other Known Excess Emissions.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID TOT SRCE OPER TIME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TOTAL SOURCE OPERATING TIME must be a numeric value without embedded or leading blanks.

TRANSACTION ERROR - THE TOTAL SOURCE OPERATING TIME MUST BE GREATER THAN THE SUM OF THE FOLLOWING: STARTUP/SHUTDOWN, CLEAN/SOOT BLOWING, UNKNOWN EXCESS EMIS, CNTRL EQMT FAILURE, PROCESS PROBLEMS, FUEL PROBLEMS, AND OTHER KNOWN EXCESS EMISSIONS.

TOTAL SOURCE OPERATING TIME must be greater than the sum of the following: Startup/Shutdown, Clean/Soot Blowing, Unknown Excess Emissions, Control Equipment Failure, Process Problems, Fuel Problems, and Other Known Excess Emissions.

6.5.5 TIME PERIOD CODE

TIME PERIOD CODE is a one-character code indicating the units of time applied to total source operating time and all excess reasons emissions reported in an excess emissions reports record.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 334

In the 'TIME PERIOD CODE' field found on the Continuous Emissions Information screen, enter a value from those listed below.

Batch: Transaction type 34, Sequence #1

In column 46, enter a value from those listed below.

M - MINUTES
A - 6 MINUTES
B - 15 MINUTES
C - 30 MINUTES
D - 1 HOUR (60 MINUTES)
E - 2 HOURS (120 MINUTES)
F - 3 HOURS (180 MINUTES)
G - 24 HOURS (1440 MINUTES)

Online Error Messages:

None.

Batch Transaction Error Messages:

None.

6.5.6 **STARTUP/SHUTDOWN**

STARTUP/SHUTDOWN is a count of the time period units during which the point was in excedence due to starting up or shutting down of the source.

Attributes: 6 character code
 Not Required

Coding Instructions:

Online: Screen 334

In the 'STARTUP/SHUTDOWN' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 47 - 52, enter a value of 0 thru 999,999.

Online Error Messages:

STARTUP/SHUTDOWN MUST BE NUMERIC - FORMAT 999999.

STARTUP/SHUTDOWN must be a numeric value between 0 and 999999.

INVALID STARTUP/SHUTDOWN - EMBEDDED/LEADING BLANKS NOT ALLOWED.

STARTUP/SHUTDOWN must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - STARTUP/SHUTDOWN MUST BE NUMERIC - FORMAT 999999.

STARTUP/SHUTDOWN must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID STARTUP/SHUTDOWN - EMBEDDED/LEADING BLANKS NOT ALLOWED.

STARTUP/SHUTDOWN must be a numeric value without embedded or leading blanks.

6.5.7 CLEANING/SOOT BLOWING

CLEANING/SOOT BLOWING is a count of the time period units during which the point was in exceedence due to cleaning/soot blowing.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'CLEANING/SOOT BLOWING' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 53 - 58, enter a value of 0 thru 999,999.

Online Error Messages:

CLEANING/SOOT BLOWING MUST BE NUMERIC - FORMAT 999999.

CLEANING/SOOT BLOWING must be a numeric value between 0 and 999999.

INVALID CLEANING/SOOT BLOWING - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CLEANING/SOOT BLOWING must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - CLEANING/SOOT BLOWING MUST BE NUMERIC - FORMAT 999999.

CLEANING/SOOT BLOWING must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID CLEANING/SOOT BLOWING - EMBEDDED/LEADING
BLANKS NOT ALLOWED.

CLEANING/SOOT BLOWING must be a numeric value without embedded or leading blanks.

6.5.8 **UNKNOWN EXCESS FAILURE**

UNKNOWN EXCESS FAILURE is a count of the time period units during which the point was in exceedence due to unknown reasons.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'UNKNOWN EXCESS FAILURE' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 59 - 64, enter a values of 0 thru 999,999.

Online Error Messages:

UNKNOWN EXCESS EMISSIONS FAILURE MUST BE NUMERIC - FORMAT 999999.

UNKNOWN EXCESS FAILURE must be a numeric value between 0 and 999999.

INVALID UNK EXCESS EMIS. - EMBEDDED/LEADING BLANKS NOT ALLOWED.

UNKNOWN EXCESS FAILURE must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - UNKNOWN EXCESS EMISSIONS FAILURE MUST BE NUMERIC -
FORMAT 999999.

UNKNOWN EXCESS FAILURE must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID UNK EXCESS EMIS. - EMBEDDED/LEADING BLANKS NOT
ALLOWED.

UNKNOWN EXCESS FAILURE must be a numeric value without embedded or leading
blanks.

6.5.9 **CONTROL EQUIPMENT FAILURE**

CONTROL EQUIPMENT FAILURE is a count time period units during which the point was in exceedence due to unit/control equipment failure or malfunction.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'CONTROL EQUIPMENT FAILURE' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 65 - 70, enter a value of 0 thru 999,999.

Online Error Messages:

CONTROL EQUIPMENT - FAILURE MUST BE NUMERIC - FORMAT 999999.

CONTROL EQUIPMENT FAILURE must be a numeric value between 0 and 999999.

INVALID CNTRL EQMT FAILURE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT FAILURE must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - CONTROL EQUIPMENT - FAILURE MUST BE NUMERIC - FORMAT 999999.

CONTROL EQUIPMENT FAILURE must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID CNTRL EQMT FAILURE - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

CONTROL EQUIPMENT FAILURE must be a numeric value without embedded or leading
blanks.

6.5.10 **CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE**

CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE is a count of time period units during which the point was in exceedence due to control equipment malfunctions that were deemed unacceptable. Used only if the control equipment malfunctions are a large portion of the total excess emissions, and a breakdown between acceptable malfunctions any unacceptable malfunctions is deemed necessary.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #1

In columns 71 - 76, valid enter a value of 0 thru 999,999.

Online Error Messages:

CONTROL EQMT. MALFUNC. - UNACCPT. MUST BE NUMERIC - FORMAT 999999.

CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE must be a numeric value between 0 and 999999.

INVALID CNTRL EQMT MALF UNACC - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - CONTROL EQMT. MALFUNC. - UNACCPT. MUST BE NUMERIC -
FORMAT 999999.

CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE must be a numeric value
between 0 and 999999.

TRANSACTION ERROR - INVALID CNTRL EQMT MALF UNACC - EMBEDDED/LEADING
BLANKS NOT ALLOWED.

CONTROL EQUIPMENT MALFUNCTION UNACCEPTABLE must be a numeric value
without embedded or leading blanks.

6.5.11 **PROCESS PROBLEM**

PROCESS PROBLEM is the summary total of Quarterly Excess Emission Period/Units the point was in exceedence due to acceptable and unacceptable process problems defined by the monitoring agency or Acceptable and Unacceptable.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'PROCESS PROBLEM' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 25 - 30, enter a value of 0 thru 999,999.

Online Error Messages:

PROCESS PROBLEM MUST BE NUMERIC - FORMAT 999999.

PROCESS PROBLEM must be a numeric value between 0 and 999999.

INVALID PROCESS PROBLEMS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROCESS PROBLEM must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - PROCESS PROBLEM MUST BE NUMERIC - FORMAT 999999.

PROCESS PROBLEM must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID PROCESS PROBLEMS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROCESS PROBLEM must be a numeric value without embedded or leading blanks.

6.5.12 **PROCESS PROBLEM UNACCEPTABLE**

PROCESS PROBLEM UNACCEPTABLE is a sum of Quarterly Excess Emission Reporting time Period/Units during which the point was in exceedence due to Process Problems that were deemed Unacceptable, as defined by the monitoring agency.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'PROCESS PROBLEM UNACCEPTABLE' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 31 - 36, enter a value of 0 thru 999,999.

Online Error Messages:

PROCESS PROBLEM - UNACCEPTABLE MUST BE NUMERIC - FORMAT 999999.

PROCESS PROBLEM UNACCEPTABLE must be a numeric value between 0 and 999999.

INVALID PROCESS PROBS UNACC - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROCESS PROBLEMS UNACCEPTABLE must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - PROCESS PROBLEM - UNACCEPTABLE MUST BE NUMERIC - FORMAT 999999.

PROCESS PROBLEM UNACCEPTABLE must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID PROCESS PROBS UNACC - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

PROCESS PROBLEMS UNACCEPTABLE must be a numeric value without embedded or leading blanks.

6.5.13 **NUMBER OF INCIDENTS OF EXCESS EMISSIONS**

NUMBER OF INCIDENTS OF EXCESS EMISSIONS is total number of Exceedence Incidents of recorded by a monitor during the report quarter.

Attributes: 3 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'NUMBER OF INCIDENTS OF EXCESS EMISSIONS' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999.

Batch: Transaction type 34, Sequence #2

In columns 37 - 39, enter a value of 0 thru 999.

Online Error Messages:

INCIDENTS OF EXCESS EMISSIONS IS REQUIRED.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be entered.

INVALID NO INCID EXC EMIS. - EMBEDDED/LEADING BLANKS NOT ALLOWED.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be a numeric value without embedded or leading blanks.

NO. OF INCIDENTS OF EXCESS EMISSIONS MUST BE NUMERIC - FORMAT 999999.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be a numeric value between 0 and 999999.

Batch Transaction Error Messages:

TRANSACTION ERROR - INCIDENTS OF EXCESS EMISSIONS IS REQUIRED.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be entered.

TRANSACTION ERROR - INVALID NO INCID EXC EMIS. - EMBEDDED/LEADING BLANKS NOT ALLOWED.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be a numeric value without embedded or leading blanks.

TRANSACTION ERROR - NO. OF INCIDENTS OF EXCESS EMISSIONS MUST BE NUMERIC - FORMAT 999999.

NUMBER OF INCIDENTS OF EXCESS EMISSIONS must be a numeric value between 0 and 999999.

6.5.14 **FUEL PROBLEMS**

FUEL PROBLEMS is the number of Time Period Units during the quarter that the monitor recorded Excess Emissions due to fuel problems.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'FUEL PROBLEMS' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 40 - 45, enter a value of 0 thru 999,999.

Online Error Messages:

FUEL PROBLEMS MUST BE NUMERIC - FORMAT 999999.

FUEL PROBLEMS must be a numeric value between 0 and 999999.

INVALID FUEL PROBLEMS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

FUEL PROBLEMS must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - FUEL PROBLEMS MUST BE NUMERIC - FORMAT 999999.

FUEL PROBLEMS must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID FUEL PROBLEMS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

FUEL PROBLEMS must be a numeric value without embedded or leading blanks.

6.5.15 OTHER KNOWN EXCESS EMISSIONS

OTHER KNOWN EXCESS EMISSIONS is the number of Time Period Units during the Quarter the monitor recorded Excess Emissions other than those associated with items 6.5.6 - 6.5.14.

Attributes: 6 character code
 Not Required

Coding Instructions:

Online: Screen 334

In the 'OTHER KNOWN EXCESS EMISSIONS' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 46 - 51, enter a value of 0 thru 999,999.

Online Error Messages:

OTHER KNOWN EXCESS EMISSIONS MUST BE NUMERIC - FORMAT 999999.

OTHER KNOWN EXCESS EMISSIONS must be a numeric value between 0 and 999999.

INVALID OTHER KNOWN EXC EMIS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

OTHER KNOWN EXCESS EMISSIONS must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - OTHER KNOWN EXCESS EMISSIONS MUST BE NUMERIC - FORMAT 999999.

OTHER KNOWN EXCESS EMISSIONS must be a numeric value between 0 and

999999.

TRANSACTION ERROR - INVALID OTHER KNOWN EXCESS EMISSIONS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

OTHER KNOWN EXCESS EMISSIONS must be a numeric value without embedded or leading blanks.

6.5.16 MONITOR EQUIPMENT MALFUNCTION

MONITOR EQUIPMENT MALFUNCTION is the number of Quarterly monitor downtime period units due to the malfunction of the monitor equipment.

Attributes: 6 character code
 Not Required

Coding Instructions:

Online: Screen 334

 In the 'MONITOR EQUIPMENT MALFUNCTION' field found on the Continuous Emissions Information screen, enter values of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

 In columns 52 - 57, enter values of 0 thru 999,999.

Online Error Messages:

MONITOR EQUIPMENT MALFUNCTIONS MUST BE NUMERIC - FORMAT 999999.

MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value between 0 and 999999.

INVALID MONITOR EQMT MALF - EMBEDDED/LEADING BLANKS NOT ALLOWED.

MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - MONITOR EQUIPMENT MALFUNCTIONS MUST BE NUMERIC -
FORMAT 999999.

MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID MONITOR EQMT MALF - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value without embedded or
leading blanks.

6.5.17 NON-MONITOR EQUIPMENT MALFUNCTION

NON-MONITOR EQUIPMENT MALFUNCTION is the number of recorded Monitor downtime period units during which the point was in exceedence due to the malfunction of Non-Monitor Equipment.

Attributes: 6 character code
 Not Required

Coding Instructions:

Online: Screen 334

In the 'NON-MONITOR EQUIPMENT MALFUNCTION' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 58 - 63, enter a values of 0 thru 999,999.

Online Error Messages:

NON-MONITOR EQUIPMENT MALFUNCTIONS MUST BE NUMERIC - FORMAT 999999.

NON-MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value between 0 and 999999.

INVALID NON-MON EQMT MALF - EMBEDDED/LEADING BLANKS NOT ALLOWED.

NON-MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - NON-MONITOR EQUIPMENT MALFUNCTIONS MUST BE NUMERIC -
FORMAT 999999.

NON-MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value between 0 and
999999.

TRANSACTION ERROR - INVALID NON-MON EQMT MALF - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

NON-MONITOR EQUIPMENT MALFUNCTIONS must be a numeric value without
embedded or leading blanks.

6.5.18 CALIBRATION

CALIBRATION is the number of time period units during the quarter the source was operating and the monitor was not operating due to monitor **CALIBRATION**.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'CALIBRATION' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #2

In columns 64 - 69, enter a value of 0 thru 999,999.

Online Error Messages:

CALIBRATION MUST BE NUMERIC - FORMAT 9999999.

CALIBRATION must be a numeric value between 0 and 9999999.

INVALID CALIBRATION - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CALIBRATION must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - CALIBRATION MUST BE NUMERIC - FORMAT 9999999.

CALIBRATION must be a numeric value between 0 and 9999999.

TRANSACTION ERROR - INVALID CALIBRATION - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CALIBRATION must be a numeric value without embedded or leading blanks.

6.5.19 **UNKNOWN MONITOR DOWNTIME**

UNKNOWN MONITOR DOWNTIME is the monitor down time period/units due to unknown reasons.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'UNKNOWN MONITOR DOWNTIME' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #3

In columns 25 - 30, enter a value of 0 thru 999,999.

Online Error Messages:

UNKNOWN MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999999.

UNKNOWN MONITOR DOWNTIME must be a numeric value between 0 and 999999.

INVALID UNK MONITOR DOWNTME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

UNKNOWN MONITOR DOWNTIME must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - UNKNOWN MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999999.

UNKNOWN MONITOR DOWNTIME must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID UNK MONITOR DOWNTIME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

UNKNOWN MONITOR DOWNTIME must be a numeric value without embedded or leading blanks.

6.5.20 **OTHER KNOWN MONITOR DOWNTIME**

OTHER KNOWN MONITOR DOWNTIME is the number of monitor downtime period units during the Quarter due to other known reasons.

Attributes: 6 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'OTHER UNKNOWN MONITOR DOWNTIME' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999,999.

Batch: Transaction type 34, Sequence #3

In columns 31 - 36, enter a value of 0 thru 999,999.

Online Error Messages:

OTHER UNKNOWN MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999999.

OTHER UNKNOWN MONITOR DOWNTIME must be a numeric value between 0 and 999999.

INVALID OTH MONITOR DOWNTIME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

OTHER UNKNOWN MONITOR DOWNTIME must be a numeric value without embedded or leading blanks.

Batch Transaction Error Messages:

TRANSACTION ERROR - OTHER UNKNOWN MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999999.

OTHER KNOWN MONITOR DOWNTIME must be a numeric value between 0 and 999999.

TRANSACTION ERROR - INVALID OTH MONITOR DOWNTIME - EMBEDDED/LEADING BLANKS
NOT ALLOWED.

OTHER KNOWN MONITOR DOWNTIME must be a numeric value without embedded or
leading blanks.

6.5.21 NUMBER OF INCIDENTS OF MONITOR DOWNTIME

NUMBER OF INCIDENTS OF MONITOR DOWNTIME is the total number of Quarterly incidents of monitor downtime.

Attributes: 3 character code
Not Required

Coding Instructions:

Online: Screen 334

In the 'NUMBER OF INCIDENTS OF MONITOR DOWNTIME' field found on the Continuous Emissions Information screen, enter a value of 0 thru 999.

Batch: Transaction type 34, Sequence #3

In columns 37 - 39, enter a value of 0 thru 999.

Online Error Messages:

INVALID INCIDENTS OF MONITOR DOWNTIME.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a valid value between 1 and 999.

INVALID NO INCID MON DWNTME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a numeric value without embedded or leading blanks.

NO. OF INCIDENTS OF MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a numeric value between 0 and 999.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID INCIDENTS OF MONITOR DOWNTIME.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a valid value between 1 and 999.

TRANSACTION ERROR - INVALID NO INCID MON DWNTME - EMBEDDED/LEADING BLANKS NOT ALLOWED.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a numeric value without embedded or leading blanks.

TRANSACTION ERROR - NO. OF INCIDENTS OF MONITOR DOWNTIME MUST BE NUMERIC - FORMAT 999.

NUMBER OF INCIDENTS OF MONITOR DOWNTIME must be a numeric value between 0 and 999.

6.6 Update AFS Point Tank Information

Data on the physical characteristics of storage tanks are contained in the AFS Point Tank Record.

6.6.1 Common Data Field

The data fields **POINT NUMBER** and **COMPLIANCE/EMISSIONS IDENTIFIER** serve as the common data elements to associate all related AFS Point Tank records and therefore must be referenced in all batch update transactions.

6.6.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur. A point general record must exist before Point Tank data and records can be added to AFS.

Attributes: 3 character code
Required

Coding Instructions:

Enter the number which identifies the point for the tank.

Online: Screen 335

In the 'POINT' field found on the Point Tank Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 35, Sequence #1

In columns 16-18, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT DOES NOT EXIST

A point general record must exist in AFS before you can add a point tank record.

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

POINT DOES NOT EXIST

A point general record must exist in AFS before you can add a point tank record.

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.6.1.2 **COMPLIANCE/EMISSIONS IDENTIFIER**

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 335

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the Point Action Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 35, Sequence #1

In column 19, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.6.2 **TANK DIMENSIONS DIAMETER (FT)**

TANK DIMENSIONS DIAMETER (FT) is the inside diameter of a storage tank measured in feet.

Attributes: 3 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK DIMENSIONS DIAMETER (FT)' field found on the Point Tank Information screen, valid values are 0 thru 999.

Batch: Transaction type 35, Sequence #1

In columns 20 - 22, valid values are 0 thru 999.

Online Error Messages:

INVALID DIAMETER - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK DIMENSIONS DIAMETER (FT) must be a numeric value without embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DIAMETER - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK DIMENSIONS DIAMETER (FT) must be a numeric value without embedded or leading blanks.

6.6.3 TANK DIMENSIONS HEIGHT (FT)

TANK DIMENSIONS HEIGHT (FT) is the height of a storage tank measured in feet. For conical domed tanks, the height of the tanks is the distance between the base of the tank to the top of the cone.

Attributes: 3 character code
 Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK DIMENSIONS HEIGHT (FT)' field found on the Point Tank Information screen, valid values are 0 thru 999.

Batch: Transaction type 35, Sequence #1

In columns 23 - 25, valid values are 0 thru 999.

Online Error Messages:

INVALID HEIGHT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK DIMENSIONS HEIGHT (FT) must be a numeric value without embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID HEIGHT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK DIMENSIONS HEIGHT (FT) must be a numeric value without embedded or leading blanks.

6.6.4 **TANK AGE (YRS)**

TANK AGE (YRS) is the number of years since construction of the storage tank.

Attributes: 2 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK AGE (YRS)' field found on the Point Tank Information screen, valid values are 0 thru 99.

Batch: Transaction type 35, Sequence #1

In columns 26 - 27, enter valid values 0 thru 99.

Online Error Messages:

AGE MUST BE NUMERIC - FORMAT 99.

TANK AGE (YRS) must be a valid value between 0 and 99.

INVALID AGE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK AGE (YRS) must be a numeric value without embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AGE MUST BE NUMERIC - FORMAT 99.

TANK AGE (YRS) must be a valid value between 0 and 99.

TRANSACTION ERROR - INVALID AGE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK AGE (YRS) must be a numeric value without embedded or leading blanks.

6.6.5 TANK LOADING TYPE

TANK LOADING TYPE is type of vehicle or craft used in the loading and off-loading of the liquid material in a storage tank.

Attributes: 15 character code
 Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK LOADING TYPE' field found on the Point Tank Information screen, valid values are up to fifteen alphanumeric characters.

Batch: Transaction type 35, Sequence #1

In columns 28 - 42, enter valid values up to fifteen alphanumeric characters.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.6.6 **TANK COLOR**

TANK COLOR is a one-character code identifying the color of a storage tank.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK COLOR' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 43, valid values as follows:

- 1 - WHITE
- 2 - ALUMINUM (SPECULAR)
- 3 - ALUMINUM (DIFFUSE)
- 4 - GRAY
- 5 - LIGHT GRAY
- 6 - MEDIUM GRAY
- 7 - GREEN
- 8 - BLACK
- 9 - OTHER

Online Error Messages:

INVALID TANK COLOR.

TANK COLOR must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK COLOR.

TANK COLOR must be a valid value as listed above.

6.6.7 TANK ROOF PAINT COLOR - FIXED ROOF

TANK ROOF PAINT COLOR - FIXED ROOF is a one-character code identifying the color of a storage tank roof.

Attributes: 1 character code
 Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK ROOF PAINT COLOR - FIXED ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 44, valid values as follows:

- 1 - WHITE
- 2 - ALUMINUM (SPECULAR)
- 3 - ALUMINUM (DIFFUSE)
- 4 - GRAY
- 5 - LIGHT GRAY
- 6 - MEDIUM GRAY
- 7 - GREEN
- 8 - BLACK
- 9 - OTHER

Online Error Messages:

INVALID TANK ROOF PAINT COLOR.

TANK ROOF PAINT COLOR - FIXED ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK ROOF PAINT COLOR.

TANK ROOF PAINT COLOR - FIXED ROOF must be a valid value as listed above.

6.6.8 **TANK SHELL PAINT COLOR - FIXED ROOF**

TANK SHELL PAINT COLOR - FIXED ROOF is a one-character code identifying the color of a storage tank shell.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK SHELL PAINT COLOR - FIXED ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 45, enter valid values as follows:

- 1 - WHITE
- 2 - ALUMINUM (SPECULAR)
- 3 - ALUMINUM (DIFFUSE)
- 4 - GRAY
- 5 - LIGHT GRAY
- 6 - MEDIUM GRAY
- 7 - GREEN
- 8 - BLACK
- 9 - OTHER

Online Error Messages:

INVALID TANK SHELL PAINT COLOR.

TANK SHELL PAINT COLOR - FIXED ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK SHELL PAINT COLOR.

TANK SHELL PAINT COLOR - FIXED ROOF must be a valid value as listed above.

6.6.9 **TANK AVERAGE VAPOR SPACE HEIGHT (FT) - FIXED ROOF**

TANK AVERAGE VAPOR SPACE HEIGHT (FT) - FIXED ROOF is the calculated space between the liquid level in a tank and the top of a fixed roof tank. The vapor space in a cone roof tank is equal in volume to a cylinder, which is the same base diameter as the cone and is one-third the height of the cone. If information is not available, assume a height equal to one-half the value of the tank height.

Attributes: 2 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK AVERAGE VAPOR SPACE HEIGHT (FT) - FIXED ROOF' field found on the Point Tank Information screen, valid values are between 0 and 99.

Batch: Transaction type 35, Sequence #1

In columns 46 - 47, enter valid values between 0 and 99.

Online Error Messages:

AVERAGE VAPOR SPACE HEIGHT MUST BE NUMERIC - FORMAT 99.

TANK AVERAGE VAPOR SPACE HEIGHT (FT) must be a numeric value between 0 and 99.

INVALID AVE VAPOR SPACE HT. - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK AVERAGE VAPOR SPACE HEIGHT (FT) must be a numeric value without embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AVERAGE VAPOR SPACE HEIGHT MUST BE NUMERIC - FORMAT 99.

TANK AVERAGE VAPOR SPACE HEIGHT (FT) must be a numeric value between 0 and 99.

TRANSACTION ERROR - INVALID AVE VAPOR SPACE HT. - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK AVERAGE VAPOR SPACE HEIGHT (FT) must be a numeric value without embedded or leading blanks.

6.6.10 **TANK PAINT CONDITION - FIXED ROOF**

TANK PAINT CONDITION - FIXED ROOF is a one-character code identifying the physical condition of paint on a storage tank.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK PAINT CONDITION - FIXED ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 48, enter valid values as follows:

G - GOOD
F - FAIR

Online Error Messages:

INVALID TANK PAINT CONDITION.

TANK PAINT CONDITION - FIXED ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK PAINT CONDITION.

TANK PAINT CONDITION - FIXED ROOF must be a valid value as listed above.

6.6.11 TANK DIURNAL TEMPERATURE CHANGE - FIXED ROOF

TANK DIURNAL TEMPERATURE CHANGE - FIXED ROOF is the average annual daily temperature variation within the contents of a fixed roof tank. The Tank Diurnal Temperature change value is expressed in units of degrees fahrenheit.

Attributes: 2 digit code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK DIURNAL TEMPERATURE CHANGE - FIXED ROOF' field found on the Point Tank Information screen, valid values are between 0 and 99.

Batch: Transaction type 35, Sequence #1

In columns 49 - 50, enter valid values between 0 and 99.

Online Error Messages:

DIURNAL TEMPERATURE CHANGE MUST BE NUMERIC - FORMAT 99.

DIURNAL TEMPERATURE CHANGE must be a numeric value between 0 and 99.

INVALID DIURNAL TEMPERATURE CHANGE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DIURNAL TEMPERATURE CHANGE MUST BE NUMERIC - FORMAT 99.

DIURNAL TEMPERATURE CHANGE must be a numeric value between 0 and 99.

TRANSACTION ERROR - INVALID DIURNAL TEMPERATURE CHANGE - EMBEDDED/LEADING
BLANKS NOT ALLOWED.

DIURNAL TEMPERATURE CHANGE must be a numeric value without embedded or leading
blanks.

6.6.12 TANK CONDITION TYPE - FLOATING ROOF

TANK CONDITION TYPE - FLOATING ROOF is a one-character code identifying the materials and seam-fastening process used to construct a storage tank.

Attributes: 1 character code
 Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK CONDITION TYPE - FLOATING ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 51, enter valid values as follows:

- 1 - EXTERNAL FLOATING ROOF, CONSTRUCTION DETAIL NOT SPECIFIED.
- 2 - EXTERNAL FLOATING ROOF WITH WELDED TANK
- 3 - EXTERNAL FLOATING ROOF WITH RIVETED TANK SHELL INTERNAL FLOATING ROOF.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.6.13 **TANK SHELL CONDITION - FLOATING ROOF**

TANK SHELL CONDITION - FLOATING ROOF is a one-character code identifying the physical condition of a storage tank outer shell.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK SHELL CONDITION - FLOATING ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 52, enter valid values as follows:

- 1 - LIGHT RUST
- 2 - DENSE RUST
- 3 - GUNITE LINED

Online Error Messages:

INVALID TANK SHELL CONDITION.

TANK SHELL CONDITION - FLOATING ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK SHELL CONDITION.

TANK SHELL CONDITION - FLOATING ROOF must be a valid value as listed above.

6.6.14 TANK DECK CONSTRUCTION TYPE - FLOATING ROOF

TANK DECK CONSTRUCTION TYPE - FLOATING ROOF is a one-character code identifying the materials and process used to construct the tank deck.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK DECK CONSTRUCTION TYPE - FLOATING ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 53, enter valid values as follows:

- 1 - WELDED
- 2 - BOLTED, DETAILED NOT SPECIFIED
- 3 - BOLTED, CONTINUOUS SHEET CONSTRUCTION 5 FEET WIDE
- 4 - BOLTED, CONTINUOUS SHEET CONSTRUCTION 6 FEET WIDE
- 5 - BOLTED, CONTINUOUS SHEET CONSTRUCTION 7 FEET WIDE
- 6 - BOLTED, PANEL CONSTRUCTION, 5 BY 7.5 FOOT RECTANGULAR
- 7 - BOLTED, PANEL CONSTRUCTION, 5 BY 12 FOOT RECTANGULAR

Online Error Messages:

INVALID TANK DECK CONSTRUCTION TYPE.

TANK DECK CONSTRUCTION TYPE - FLOATING ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK DECK CONSTRUCTION TYPE.

TANK DECK CONSTRUCTION TYPE - FLOATING ROOF must be a valid value as listed above.

6.6.15 TANK SEAL TYPE - FLOATING ROOF

TANK SEAL TYPE - FLOATING ROOF is a one-character code identifying the seal type used to reduce vapor loss from a floating roof tank.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK SEAL TYPE - FLOATING ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 54, enter valid values as follows:

- 1 - MECHANICAL (METALLIC SHOE SEAL), PRIMARY ONLY
- 2 - MECHANICAL (METALLIC SHOE SEAL), WITH SHOE-MOUNTED SECONDARY SEAL
- 3 - MECHANICAL (METALLIC SHOE SEAL), WITH RIM MOUNTED SECONDARY SEAL
- 4 - RESILIENT SEAL (NONMETALLIC), LIQUID MOUNTED, PRIMARY ONLY
- 5 - RESILIENT SEAL (NONMETALLIC), WITH WEATHER SHIELD
- 6 - RESILIENT SEAL (NONMETALLIC), WITH RIM MOUNTED SECONDARY SEAL
- 7 - RESILIENT SEAL (NONMETALLIC), VAPOR MOUNTED, PRIMARY ONLY
- 8 - RESILIENT SEAL (NONMETALLIC), VAPOR MOUNTED, WITH WEATHER SHIELD
- 9 - RESILIENT SEAL (NONMETALLIC), VAPOR MOUNTED, WITH RIM MOUNTED SECONDARY SEAL

Online Error Messages:

INVALID TANK SEAL TYPE.

TANK SEAL TYPE - FLOATING ROOF must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TANK SEAL CONSTRUCTION TYPE.

TANK SEAL TYPE - FLOATING ROOF must be a valid value as listed above.

6.6.16 **TANK AVERAGE WIND SPEED (MPH) - FLOATING ROOF**

TANK AVERAGE WIND SPEED (MPH) - FLOATING ROOF is the average wind speed at the tank site in miles per hours. If the wind speed at the tank site is not available, wind speed data from the nearest local weather station may be used as an approximation.

Attributes: 4 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK AVERAGE WIND SPEED (MPH) - FLOATING ROOF' field found on the Point Tank Information screen, valid values are between .01 and 99.99.

Batch: Transaction type 35, Sequence #1

In column 55 - 58, enter valid values between .01 and 99.99.

Online Error Messages:

AVERAGE WIND SPEED MUST BE NUMERIC - FORMAT 99.99.

AVERAGE WIND SPEED (MPH) must be a numeric value between 0 and 99.99.

INVALID AVE. WIND SPEED - EMBEDDED/LEADING BLANKS NOT ALLOWED.

AVERAGE WIND SPEED (MPH) must be a numeric value without embedded or leading blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AVERAGE WIND SPEED MUST BE NUMERIC - FORMAT 99.99.

AVERAGE WIND SPEED (MPH) must be a numeric value between 0 and 99.99.

TRANSACTION ERROR - INVALID AVG. WIND SPEED - EMBEDDED/LEADING BLANKS NOT ALLOWED.

AVERAGE WIND SPEED (MPH) must be a numeric value without embedded or leading blanks.

6.6.17 **TANK SUPPORT TYPE - FLOATING ROOF**

TANK SUPPORT TYPE - FLOATING ROOF is a one-character code associated with floating roof tanks, indicating if there are adjustable or fixed legs attached to the floating deck, or hangers suspended from the fixed roof.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 335

In the 'TANK SUPPORT TYPE - FLOATING ROOF' field found on the Point Tank Information screen, valid values are listed below.

Batch: Transaction type 35, Sequence #1

In column 59, enter valid values as follows:

- 1 - SELF-SUPPORTING FIXED ROOF WITH NO INTERNAL SUPPORT COLUMNS
- 2 - COLUMN SUPPORTED ROOF, CONSTRUCTION TYPE NOT SPECIFIED
- 3 - COLUMN SUPPORTED ROOF, WITH 9 INCH BY 7 INCH BUILT-UP COLUMNS
- 4 - COLUMN SUPPORTED ROOF, WITH 8 INCH DIAMETER COLUMNS

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.7 POINT ACTION

6.7.1 Common Data Field

The data fields described in this section are common to all AFS Point Action update transactions.

6.7.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur.

Attributes: 3 character code
Required

Coding Instructions:

Enter the number which identifies the point against which the compliance action has been taken.

Online: Screen 336

In the 'POINT' field found on the Point Action Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 36, Sequence #1

In columns 14-16, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.7.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 336

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the Point Action Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 36, Sequence #1

In column 17, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.7.1.3 **ACTION NUMBER**

ACTION NUMBER is a unique three-digit numeric compliance action identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

An **ACTION NUMBER** is required when entering AFS Point Action since it uniquely identifies an individual point level compliance activity.

Online: Screen 336

In the 'ACTION NUMBER' field found on the Point Action Information screen, enter a valid **ACTION NUMBER**. The input of a value '999' will cause AFS to automatically generate the next sequentially available action number for additions of plant action records.

Batch: Transaction type 36, Sequence #1

In columns 18-20, enter a valid **ACTION NUMBER**. The input of a value '999' will cause AFS to automatically generate the next sequentially available action number for additions of point action records.

Online Error Messages:

ACTION NUMBER IS REQUIRED

ACTION NUMBER must be entered.

INVALID ACTION NUMBER

ACTION NUMBER must be numeric format 999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION NUMBER IS REQUIRED

ACTION NUMBER must be entered.

TRANSACTION ERROR - INVALID ACTION NUMBER

ACTION NUMBER must be numeric format 999.

6.7.2 AIR PROGRAM CODE 1

AIR PROGRAM CODE 1 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Consequently, this field is required when entering AFS Point Action information.

Online: Screen 336

In the 'AIR PROGRAM FIELD 1' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 1 from the table below.

Batch: Transaction type 36, Sequence #1

In column 21, enter a valid value representing an AIR PROGRAM CODE 1 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE 1 must be entered.

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 1 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST ONE AIR PROGRAM CODE IS REQUIRED.

AIR PROGRAM CODE 1 must be entered.

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 1 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.3 AIR PROGRAM CODE 2

AIR PROGRAM CODE 2 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Not required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Identify any additional air programs which mandated the compliance activity.

Online: Screen 336

In the 'AIR PROGRAM FIELD 2' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 2 from the table below.

Batch: Transaction type 36, Sequence #1

In column 22, enter a valid value representing an AIR PROGRAM CODE 2 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC -

Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR -

New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP -

National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS -

New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 2 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 2 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.4 AIR PROGRAM CODE 3

AIR PROGRAM CODE 3 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Not required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Identify any additional air programs which mandated the compliance activity.

Online: Screen 336

In the 'AIR PROGRAM FIELD 3' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 3 from the table below.

Batch: Transaction type 36, Sequence #1

In column 23, enter a valid value representing an AIR PROGRAM CODE 3 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 3 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 3 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.5 AIR PROGRAM CODE 4

AIR PROGRAM CODE 4 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Not required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Identify any additional air programs which mandated the compliance activity.

Online: Screen 336

In the 'AIR PROGRAM FIELD 4' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 4 from the table below.

Batch: Transaction type 36, Sequence #1

In column 24, enter a valid value representing an AIR PROGRAM CODE 4 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC -

Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR -

New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP -

National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS -

New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 4 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 4 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.6 AIR PROGRAM CODE 5

AIR PROGRAM CODE 5 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Not required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Identify any additional air programs which mandated the compliance activity.

Online: Screen 336

In the 'AIR PROGRAM FIELD 5' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 5 from the table below.

Batch: Transaction type 36, Sequence #1

In column 25, enter a valid value representing an AIR PROGRAM CODE 5 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC - Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD - Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR - New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP - National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS - New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 5 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 5 must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.7 AIR PROGRAM CODE 6

AIR PROGRAM CODE 6 is a one-character code used to identify:

- 1) The regulatory air program(s) to which a point is subject.
- 2) The regulatory air program(s) authorizing and associated with an enforcement action taken by a local state or federal regulatory agency.

Attributes: 1 character code
Not required

Coding Instructions:

Each plant identified in AFS has been predetermined to be a source that may significantly affect air quality. Therefore, a facility is subject to one or more regulatory plans or air programs designating emission standards and procedures which assist in the effective enforcement of the Clean Air Act (CAA). Identify any additional air programs which mandated the compliance activity.

Online: Screen 336

In the 'AIR PROGRAM FIELD 6' field found on the Point Action Information screen, enter a valid value representing AIR PROGRAM CODE 6 from the table below.

Batch: Transaction type 36, Sequence #1

In column 26, enter a valid value representing an AIR PROGRAM CODE 6 from the table below.

A - ACID PRECIPITATION
I - NATIVE AMERICAN
0 - SIP SOURCE
1 - SIP SOURCE UNDER FEDERAL JURISDICTION
3 - NON-FEDERALLY REPORTABLE SOURCE
4 - CFC TRACKING
6 - PSD
7 - NSR
8 - NESHAP
9 - NSPS

Definitions:

ACID

PRECIP - Acid Precipitation is defined under Title 4 of The Clean Air Act, as released in 1990. The purpose of Title 4 is to reduce adverse affects of acid deposition through reductions of the annual emissions of sulfur dioxides and nitrogen oxides by requiring compliance with prescribed emission limitations.

NATIVE

AMERICAN - Source regulated by Native American Implementation Plan on Tribal Land. The source is not covered under State or Federal Implementation Plans. This does not indicate ownership by a Native American Nation, nor that the source is privately owned under the jurisdiction of the Native American Nation.

SIP -

State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

CFC -

Chlorofluorocarbons - The Clean Air Act contains amendments which require the tracking and control of CFCs as a means towards minimizing stratospheric ozone depletion and global warming.

PSD -

Prevention of Significant Deterioration - A set of requirements designated for regions which currently meet existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NSR -

New Source Review - A set of requirements designated for regions which are currently in nonattainment of existing air quality standards. These criteria are applicable to new major sources and major modifications to sources.

NESHAP -

National Emission Standards for Hazardous Air Pollutants - EPA standards especially for hazardous air pollutants.

NSPS -

New Source Performance Standards require that all new industrial plants and major modifications to existing sources meet rigorous requirements which demonstrate the best achievable control technology.

Online Error Messages:

INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE 6 must be numeric.

AIR PROGRAM CODE DOES NOT EXIST FOR POINT

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program Information either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID AIR PROGRAM CODE.

AIR PROGRAM CODE must be numeric.

TRANSACTION ERROR - AIR PROGRAM CODE DOES NOT EXIST FOR POINT.

AIR PROGRAM CODE must be previously added to point. Likewise, information describing specific aspects of the air program must be previously added to Point Air Program Information either online at screen 332 or by batch transaction type 32, sequence number 1. See Section 6.3 in the AFS User's Guide AF2 for specific instructions.

6.7.8 ACTION TYPE

ACTION TYPE is a two-character code identifying a compliance activity. Two categories of action types exist: national action types, which are used to retrieve similar compliance activities identified by EPA regions using region-specific action type codes; and regional action types, which are the region-specific codes used to identify a compliance activity. Some action types associated with certification received (state or federal) have been flagged as non-enforcement sensitive, regardless of the date scheduled associated with the action.

Attributes: 2 character code
Required

Coding Instructions:

Online: Screen 336

In the 'ACTION TYPE' field found on the Point Action Information screen, enter an **ACTION TYPE** from the ACTION TABLE file. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

The ACTION TABLE file also indicates whether the action type can be used for a Key action for Action Linking and whether the action is recommended for a particular type of action linking pathway:

For Key actions, ACTION TYPE must be listed on the action table as being a valid key action type.

When linking actions to a key action, recommended values are available by placing "?" in the first character of the online data field.

Batch: Transaction type 36, Sequence #1

In columns 27-28, enter an **ACTION TYPE** from the ACTION TABLE file.

ACTION TYPE IS REQUIRED.

ACTION TYPE is a mandatory field.

ENFORCEMENT SENSITIVE ACTION TYPE NOT ALLOWED.

Only users with sensitive update access can enter an enforcement sensitive **ACTION TYPE**.

INVALID ACTION TYPE - VALID ONLY IF STATE PRIVATE.

ACTION TYPE must exist on the ACTION TABLE file.

INVALID ACTION TYPE FOR A PATHWAY.

ACTION TYPE for a Key action in Action Linking must be a key action type on the ACTION TABLE file.

UPDATE ACCESS TO Key action TYPE DENIED.

ACTION TYPE for a Key action in Action Linking cannot be changed to another pathway type or to a non-Key action type.

OBSOLETE ACTION TYPE - INVALID FOR UPDATE

ACTION TYPE must be non-obsolete.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION TYPE IS REQUIRED.

ACTION TYPE is a mandatory field.

TRANSACTION ERROR - INVALID ACTION TYPE.

ACTION TYPE must exist on the ACTION TABLE file.

TRANSACTION ERROR - ENFORCEMENT SENSITIVE ACTION TYPE NOT ALLOWED.

Only users with sensitive update access can enter an enforcement sensitive **ACTION TYPE**.

TRANSACTION ERROR - INVALID ACTION TYPE FOR A PATHWAY.

ACTION TYPE for a Key action in Action Linking must be a key action type on the ACTION TABLE FILE.

TRANSACTION ERROR - UPDATE ACCESS TO Key action TYPE DENIED.

ACTION TYPE for a Key action in Action Linking cannot be changed to another pathway type or to a non-Key action type.

TRANSACTION ERROR - OBSOLETE ACTION TYPE - INVALID FOR UPDATE

ACTION TYPE must be non-obsolete.

6.7.9 **ACTION TYPE CATEGORY**

ACTION TYPE CATEGORY identifies a general category to which a particular action belongs; Engineering, Enforcement or Inspection. **ACTION TYPE CATEGORIES** are assigned by the user, and are not edit-checked by AFS.

Attributes: 2 character code
Not Required

Coding Instructions:

Online: Screen 336

In the 'ACTION TYPE CATEGORY' field found on the Point Action Information screen, valid values are listed below.

Batch: Transaction type 36, Sequence #1

In column 29, valid values are as follows:

E - ENGINEERING (i.e., stack test performed)
F - ENFORCEMENT (i.e., notice of violation issued)
I - INSPECTION (i.e., state inspection)

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.7.10 **ACTION DESCRIPTION**

ACTION DESCRIPTION is an optional field used only when the Action Type is "00" or does not correspond to an Action Type defined on the AFS Action Table. When the Action Type is not "00" **ACTION DESCRIPTION** is generated for all Action Types defined on the AFS Action Table.

Attributes: 15 character code
Not Required

Coding Instructions:

Online: Screen 336

In the 'ACTION DESCRIPTION' field found on the Point Action Information screen, valid values are up to fifteen alphanumeric characters when the Action Type is "00".

Batch: Transaction type 36, Sequence #1

In columns 30 - 44, valid values are up to fifteen alphanumeric characters when the Action Type is "00".

Online Error Messages:

ACTION DESCRIPTION NOT ALLOWED FOR ACTION TYPE ENTERED.

ACTION DESCRIPTION cannot be entered with the Action Type entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ACTION DESCRIPTION NOT ALLOWED FOR ACTION TYPE ENTERED.

ACTION DESCRIPTION cannot be entered with the Action Type entered.

6.7.11 **DATE SCHEDULED**

DATE SCHEDULED is the date on which a Compliance Action is scheduled to be performed.

Attributes: 6 character code
Required (or Date Achieved)

Coding Instructions:

Online: Screen 336

In the 'DATE SCHEDULED' field found on the Point Action Information screen, valid date format is YYMMDD (Year-Year-Month-Month-Day-Day).

Batch: Transaction type 36, Sequence #1

In columns 45 - 50, valid date format is YYMMDD (Year-Year-Month-Month-Day-Day)

Online Error Messages:

INVALID DATE SCHEDULED.

DATE SCHEDULED must be a valid date format YYMMDD.

EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE SCHEDULED or Date Achieved must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DATE SCHEDULED.

DATE SCHEDULED must be a valid date format YYMMDD.

TRANSACTION ERROR - EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE SCHEDULED or Date Achieved must be entered.

6.7.12 **DATE ACHIEVED**

DATE ACHIEVED is the date on which a Compliance Action is completed.

Attributes: 6 character code
Required (or Date Scheduled)

Coding Instructions:

Online: Screen 336

In the 'DATE ACHIEVED' field found on the Point Action Information screen, valid date format is YYMMDD (Year-Year-Month-Month-Day-Day).

Batch: Transaction type 36, Sequence #1

In columns 51 - 56, valid date format is YYMMDD (Year-Year-Month-Month-Day-Day)

Online Error Messages:

INVALID DATE ACHIEVED.

DATE ACHIEVED must be a valid date format YYMMDD.

EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE ACHIEVED or Date Scheduled must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DATE ACHIEVED.

DATE ACHIEVED must be a valid date format YYMMDD.

TRANSACTION ERROR - EITHER DATE SCHEDULED OR DATE ACHIEVED MUST BE ENTERED.

DATE ACHIEVED or Date Scheduled must be entered.

6.7.13 RESULTS CODE

RESULTS CODE is a two-character code indicating whether an Action has been achieved or if another Action should be referred to.

Attributes: 2 character code
 Required (or Date Scheduled)

Coding Instructions:

Online: Screen 336

In the 'RESULTS CODE' field found on the Point Action Information screen, valid values must exist on the AFS Result Table maintained within AFS in the AFS Table File.

Batch: Transaction type 36, Sequence #1

In columns 57 - 58, valid values must exist on the AFS Result Table maintained within AFS in the AFS Table File.

Online Error Messages:

INVALID RESULTS CODE.

RESULTS CODE must exist on the AFS Table File.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID RESULTS CODE.

RESULTS CODE must exist on the AFS Table File.

6.7.14 PENALTY AMOUNT

PENALTY AMOUNT is the civil penalty assessed against a facility in the final agreement between the enforcement authority and the plant.

Attributes: 7 character code or for a penalty amount greater than 9,999,999, enter a "K" (without the quotes) which represents "thousands", in the right most position of the number.

Not Required

Coding Instructions:

Online: Screen 336

In the 'PENALTY AMOUNT' field found on the Point Action Information screen, valid values are between 0 and 9,999,999 (or 999999K, where the "K" represents "thousands") .

Batch: Transaction type 36, Sequence #1

In columns 59 - 65, valid values are between 0 and 9,999,999 (or 999999K, where the "K" represents "thousands") .

Online Error Messages:

PENALTY AMOUNT FORMAT MUST BE EITHER 99999999 OR 999999K

Batch Transaction Report Error Messages:

PENALTY AMOUNT FORMAT MUST BE EITHER 99999999 OR 999999K

6.7.15 STAFF CODE

STAFF CODE is a three-character code identifying:

- 1) the compliance or enforcement official assigned to monitor the compliance status of a plant, or
- 2) the staff member assigned to complete an action.

Attributes: 3 character code
Not required.

Coding Instructions:

Enter the code number which identifies the particular enforcement official who is assigned to monitor the compliance status of the facility or to perform a particular engineering, enforcement or inspection action.

Online: Screen 336

In the 'STAFF CODE' field found on the Point Action Information screen, enter a valid 3 character value for **STAFF CODE** from the STAFF TABLE file.

The STAFF TABLE file is available online through the AFS Utility Menu Selection.

Batch: Transaction type 36, Sequence #1

In columns 66-68, enter a valid 3 character value for **STAFF CODE**. The **STAFF CODE** must exist on the AFS STAFF TABLE.

Online Error Messages:

INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STAFF CODE.

STAFF CODE must exist on the AFS STAFF TABLE.

6.7.16 **POLLUTANT CODE**

POLLUTANT CODE is a five-character code identifying a pollutant.

Attributes: 5 character code
Required (or CAS #)

Coding Instructions:

Identify the significant pollutant being monitored at the point level for compliance and measured against air quality criteria designated by the air program. This field or the CAS number is required because each point has at least one identified pollutant which is subject to emission standards.

Online: Screen 336

In the 'POLLUTANT CODE' field found on the Point Action Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 36, Sequence #1

In columns 69-77, enter a valid value for **POLLUTANT CODE** from the list below.

AB - ASBESTOS
BE - BERYLLIUM
CD - CADMIUM
HCL - HYDROCHLORIC ACID
HG - MERCURY
NH3 - AMMONIA
SO2 - SULFUR DIOXIDE
VC - VINYL CHLORIDE
ACETY - ACETYLENES (ALKYNES)
AROM - AROMATICS

CFC - CHLOROFLUOROCARBONS
FE - FUGITIVE EMISSIONS
HC - TOTAL HYDROCARBONS
OACID - ORGANIC ACIDS

AS - ARSENIC
BZ - BENZENE
CO - CARBON MONOXIDE
HF - HYDROFLUORIC ACID
H2S - HYDROGEN SULFIDE
NO - NITRIC OXIDE
SO3 - SULFUR TRIOXIDE
ZN - ZINC
ALDHY - ALDEHYDES
CE - COKE OVEN
EMISSIONS
FD - FUGITIVE DUST
FL - FLUORIDES
KETON - KETONES
OD - ODORS

AFS Data Coding	AFS User's Guide AF2
OLEF - OLEFINS PARAF - PARAFFINS (ALKANES) PM2.5 - PARTICULATE MATTER ASC - ARSENIC COMPOUNDS BEC - BERYLLIUM COMPOUNDS PT - TOTAL PARTICULATE MATTER TS - TOTAL REDUCED SULFUR VOC - VOLATILE ORGANIC COMPOUNDS	OT - OTHER PM10 - PARTICULATE MATTER PNA - POLYNUCLEAR AROMATICS BAC - BARIUM COMPOUNDS CDC - CADMIUM COMPOUNDS SO4 - SULFATES VE - VISIBLE EMISSIONS S B C - A N T I M O N Y COMPOUNDS CRC - CHROMIUM COMPOUNDS CUC - COPPER COMPOUNDS GLYET - GLYCOL ETHERS MNC - MANGANESE COMPOUNDS NIC - NICKEL COMPOUNDS SEC - SELENIUM COMPOUNDS PB - LEAD
CLPH - CHLORPHENOLS COC - COBALT COMPOUNDS CNC - CYANIDE COMPOUNDS PBC - LEAD COMPOUNDS HGC - MERCURY COMPOUNDS PBB - POLYBROMINATED BIPHENYLS NO2 - NITROGEN DIOXIDE PX - DEFAULT POLLUTANT FROM CDS P1 - FINE PARTICULATES: HIGH PROBABILITY OF NON-ATTAINMENT P2 - FINE PARTICULATES: LOW PROBABILITY OF NON-ATTAINMENT	

Online Error Messages:

INVALID POLLUTANT

POLLUTANT CODE must be from the list above.

EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

POLLUTANT CODE or Chemical Abstract Service (CAS) Number is required but both cannot be entered at the same time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the list above.

6.7.17 CHEMICAL ABSTRACT SERVICE (CAS) NUMBER

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number associated with a pollutant code.

Attributes: 9 character code
 Required (if pollutant code not entered)

Coding Instructions:

Identify the CAS number of the significant pollutant being monitored at the point level for compliance and measured against air quality criteria designated by the air program. This field or the pollutant code number is required because each point has at least one identified pollutant which is subject to emission standards.

Online: Screen 336

In the 'CHEMICAL ABSTRACT #' field found on the Point Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

The Pollutant Table file is available online through the AFS utility Menu Selection.

Batch: Transaction type 36, Sequence #1

In columns 69-77, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** on the POLLUTANT TABLE file.

The Pollutant Table file is available online through the AFS utility Menu Selection.

Online Error Messages:

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

EITHER POLLUTANT CODE OR CAS NUMBER IS REQUIRED BUT NOT BOTH.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER or Pollutant Code is required but both cannot be entered at the same time.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

6.7.18 STATE PRIVATE INDICATOR

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and designated State Private.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 336

In the 'STATE PRIVATE INDICATOR' field found in the Point Action Information screen, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Batch: Transaction type 36, Sequence #1

In column 79, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR - ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be a 'N' in order to Update an existing Segment Comment.

6.7.19 **REGIONAL DATA ELEMENT 8**

REGIONAL DATA ELEMENT 15 is an optional field used to maintain user-defined information relating to plant or point level actions.

Attributes: 2 character code
 Not required

Coding Instructions:

Online: Screen 336

In the 'REGIONAL DATA ELEMENT 8' field found on the Point Action Information screen, enter up to 2 characters for **REGIONAL DATA ELEMENT 8**.

Batch: Transaction type 36, Sequence #2

In columns 21-22, valid values for **REGIONAL DATA ELEMENT 8** are from 0 thru 9 and A thru Z.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.7.20 CONTRACTOR STATE CODE

CONTRACTOR STATE CODE is a two-character FIPS code identifying the state in which an asbestos contractor is registered.

Attributes: 2 character code
Not required

Coding Instructions:

Online: Screen 336

In the 'CONTRACTOR STATE CODE' field found on the Point Action Information screen, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

Batch: Transaction type 36, Sequence #2

In columns 23-24, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE.

CONTRACTOR STATE CODE must be from the list above.

STATE AND CONTRACTOR ID ARE BOTH REQUIRED

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

CONTRACTOR STATE CODE must be from list above.

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

6.7.21 **CONTRACTOR IDENTIFICATION NUMBER**

CONTRACTOR IDENTIFICATION NUMBER is a user defined identification number used to distinguish asbestos contractors within a state.

Attributes: 12 character code
 Not required

Coding Instructions:

Online: Screen 336

In the 'CONTRACTOR IDENTIFICATION NUMBER' field found on the Point Action Information screen, enter up to 12 characters for **CONTRACTOR IDENTIFICATION NUMBER**.

Batch: Transaction type 36, Sequence #2

In columns 25-36, enter up to 12 characters for **CONTRACTOR IDENTIFICATION NUMBER**.

Online Error Messages:

STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since CONTRACTOR STATE CODE provides descriptive information about the contractor designated in **CONTRACTOR IDENTIFICATION NUMBER**, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since CONTRACTOR STATE CODE provides descriptive information about the contractor designated in **CONTRACTOR IDENTIFICATION NUMBER**, these fields must either both contain information or both remain blank.

6.7.22 **KEY ACTION NUMBER**

Key action NUMBER is a unique three-digit numeric compliance action identifier, indicating the action number to which a particular action is linked. For Key actions, the **Key action NUMBER** equals ACTION NUMBER.

Attributes: 3 digit code
 Not required.

Coding Instructions:

Online: Screen 336

Key action NUMBER is generated and stored when:

- an action is made into a key by entering "y" in the field "key action (Y/N)"
- an action is linked into an Action Linking Pathway in online or batch.

Batch: Transaction type 16, Sequence #3

In columns 21-23, enter the ACTION NUMBER for an existing action. The input of a value equal to the action number in columns 18-20 will make the action a Key action. Entering an ACTION NUMBER with a Key action NUMBER which is not equal will link the action to the Key action.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - Key action DOES NOT EXIST.

Key action NUMBER does not exist as an action.

TRANSACTION ERROR - ACTION SPECIFIED IS NOT A Key action.

Key action NUMBER exists as an action, but is not a Key action.

TRANSACTION ERROR - LINK DENIED; THE MAX # OF KEY ACT HAVE ALREADY BEEN

ASSIGNED.

The action has already been linked to five actions, and cannot be linked to another.

6.7.23 **KEY ACTION FLAG**

Key action FLAG is a Yes/No field which, when set to 'Y', changes an action into a Key action in Action Linking.

Attributes: 1 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter 'Y' on the action key screen to make an action into a Key action. Leave **Key action FLAG** blank to allow the software fill in the appropriate value for the current configuration of the action.

Batch: Transaction type 36, Sequence #3

Key action FLAG is only valid online. In batch, users can make an action into a Key action by submitting a 16-3 transaction with ACTION NUMBER and **Key action NUMBER** equal.

Online Error Messages:

Key action FLAG MUST BE 'Y', 'N', OR BLANK.

Key action FLAG is entered as other than 'Y' or 'N'.

LINK DENIED; THE MAX # OF KEY ACT HAVE ALREADY BEEN ASSIGNED.

The action already has five **Key action NUMBER** values, and cannot add another as the key action number.

Batch Transaction Report Error Messages:

None.

6.7.24 LEAD AGENCY

LEAD AGENCY identifies the agency taking the lead role in tracking an Action Linking pathway to resolution.

Attributes: 1 character code
 Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the "LEAD AGENCY" field on the multiple-action screen (the second action screen) when editing an Action Linking Pathway. **LEAD AGENCY** appears on all of the second action screens for all pathway types. Enter a value from the table below.

Batch: Transaction type 36, Sequence #3

In column 24, Enter a **LEAD AGENCY** code from the table below.

F - FEDERAL
J - JOINT
L - LOCAL
S - STATE

Online Error Messages:

INVALID LEAD AGENCY CODE.

LEAD AGENCY code entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LEAD AGENCY CODE.

LEAD AGENCY code entered is not one of the allowable values.

TRANSACTION ERROR - LEAD AGENCY CAN ONLY BE ENTERED ON A Key action.

LEAD AGENCY code is only applicable for the Key action for an Action Linking pathway.

6.7.25 **VIOLATION IDENTIFIER**

VIOLATION IDENTIFIER identifies the agency which identifies the resolution which lead to tracking an Action Linking pathway to resolution.

Attributes: 1 character code
 Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION IDENTIFIER** on the multiple-action screen (the second action screen) when editing an Action Linking Pathway. **VIOLATION IDENTIFIER** appears on all the second action screens for all pathway types. Enter a value from the table below.

Batch: Transaction type 36, Sequence #3

In column 25, enter a VIOLATION IDENTIFIER code from the table below.

F - FEDERAL
J - JOINT
L - LOCAL
S - STATE

Online Error Messages:

INVALID VIOLATION IDENTIFIER CODE.

VIOLATION IDENTIFIER code entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION IDENTIFIER CODE.

VIOLATION IDENTIFIER code entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION IDENTIFIER CAN ONLY BE ENTERED ON A Key action.

VIOLATION IDENTIFIER code is only applicable for the Key action for an Action Linking pathway.

6.7.26 VIOLATION TYPE CODE 1

VIOLATION TYPE CODE 1 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 1** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 1** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 46-48, enter a **VIOLATION TYPE CODE 1** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 1 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 1 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 1 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 1 can only be applied to the Key action on an Action Linking Pathway.

6.7.27 VIOLATION TYPE CODE 2

VIOLATION TYPE CODE 2 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 2** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 2** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 49-51, enter a **VIOLATION TYPE CODE 2** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 2 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 2 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 2 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 2 can only be applied to the Key action on an Action Linking Pathway.

6.7.28 VIOLATION TYPE CODE 3

VIOLATION TYPE CODE 3 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 3** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 3** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 52-54, enter a **VIOLATION TYPE CODE 3** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 3 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 3 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 3 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 3 can only be applied to the Key action on an Action Linking Pathway.

6.7.29 VIOLATION TYPE CODE 4

VIOLATION TYPE CODE 4 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 4** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 4** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 55-57, enter a **VIOLATION TYPE CODE 4** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 4 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 4 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 4 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 4 can only be applied to the Key action on an Action Linking Pathway.

6.7.30 VIOLATION TYPE CODE 5

VIOLATION TYPE CODE 5 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 5** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 5** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 58-60, enter a **VIOLATION TYPE CODE 5** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 5 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 5 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 5 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 5 can only be applied to the Key action on an Action Linking Pathway.

6.7.31 VIOLATION TYPE CODE 6

VIOLATION TYPE CODE 6 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 6** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 6** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 61-63, enter a **VIOLATION TYPE CODE 6** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 6 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 6 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 6 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 6 can only be applied to the Key action on an Action Linking Pathway.

6.7.32 VIOLATION TYPE CODE 7

VIOLATION TYPE CODE 7 identifies the type of violation cited for an administrative penalty or violation which is being tracked using the Action Linking mechanism.

Attributes: 3 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter a value for the **VIOLATION TYPE CODE 7** on the multiple-action screen (the second action screen) when editing an Administrative Penalty Pathway or Violations Pathway in Action Linking. **VIOLATION TYPE CODE 7** is only applicable to an Administrative Penalty Pathway and a Violations Pathway.

Batch: Transaction type 36, Sequence #3

In columns 64-66, enter a **VIOLATION TYPE CODE 7** code from the table below.

GC1	FAILURE TO OBTAIN PSD OR NSR PERMIT AND/OR A PERMIT FOR MAJOR MODS TO EITHER
GC2	VIOL. OF AIR TOXICS REQ. RESULTING IN EITHER EE OR VIOL. OP PARM RESTRICTS
GC3	VIOL. BY A SM OF AN EMIS LIM OR PERM. CONDITION EFFECTING SRCE'S PSD, NSR OR T5
GC4	VIOL. OF ANY SUBSTANTIVE TERM OF ANY S/L OR FED ORDER, CONSENT DECREE OR AO
GC5	SUBSTANTIAL VIOL. OF T5 CERT. OBLIGATIONS, E.G., FAILURE TO SUBMIT A CERT
GC6	SUBSTANTIVE VIOLATION OF SRCES OBLIGATION TO SUBMIT A T5 PERMIT APPLICATION
GC7	TEST/MONITOR/RECORDS/REPORTING VIOL. THAT SUBSTAN. INTERFERE W/ENF. OR CMST
GC8	VIOL. OF ALLW EMIS. LIMIT DETECTED DURING A REFERENCE METHOD STACK TEST
GC9	CLEAN AIR ACT (CAA) VIOLATIONS BY CHRONIC OR RECALCITRANT VIOLATORS
G10	SUBSTANTIAL VIOLATION OF CLEAN AIR ACT SECTION 112(R) REQUIREMENTS

Online Error Messages:

INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 7 entered is not one of the allowable values.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID VIOLATION TYPE CODE.

VIOLATION TYPE CODE 7 entered is not one of the allowable values.

TRANSACTION ERROR - VIOLATION TYPE CODES CANNOT BE ENTERED FOR A CONSENT DECREE PATH.

VIOLATION TYPE CODE 7 is not applicable to a Consent Decree action pathway.

TRANSACTION ERROR - VIOLATION TYPE CODES CAN ONLY BE ENTERED ON A KEY ACTION.

VIOLATION TYPE CODE 7 can only be applied to the Key action on an Action Linking Pathway.

6.7.33 **DOCUMENT NUMBER**

DOCUMENT NUMBER identifies a consent decree or administrative order which was issued in regard to a Consent Decree/Administrative Order pathway for Action Linking.

Attributes: 14 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter up to 14 characters for the **DOCUMENT NUMBER** on the multiple-action screen (the second action screen) when editing a Consent Decree/Administrative Order Action Linking Pathway.

Batch: Transaction type 36, Sequence #3

Enter up to 14 characters in the **DOCUMENT NUMBER** field in columns 33-46 for a Consent Decree/Administrative Order Key action.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DOCUMENT NUMBERS CANNOT BE ENTERED FOR A VIOLATION AND ADMINISTRATIVE PENALTY PATHWAY.

DOCUMENT NUMBER is not applicable to a High Priority Violation and Administrative Penalty action pathway.

TRANSACTION ERROR - DOCUMENT NUMBER CAN ONLY BE ENTERED ON A Key action.

DOCUMENT NUMBER can only be applied to the Key action on an Action Linking Pathway.

6.7.34 **VIOLATING POLLUTANTS**

VIOLATING POLLUTANTS identifies a pollutant for the air program which has been identified as being in violation. This code enables a historical record of which pollutants were associated with the violation to be maintained. Initially these pollutants are generated from air program pollutant records which are in violation.

Attributes: 5 character code
Not required.

Coding Instructions:

Online: Screen 336

Enter up to 5 characters each for each of the possible three **VIOLATING POLLUTANTS** on the multiple-action screen (the second action screen) when editing a key action that is associated with an air program which is in violation.

Batch: Transaction type 36, Sequence #3

Enter up to 5 characters each for each of the three possible **VIOLATING POLLUTANTS** fields in columns 47-61 for a key action that is associated with an air program which is in violation.

Online Error Messages:

UNIQUE VALUES MUST BE SUPPLIED FOR VIOLATING POLLUTANTS.

VIOLATING POLLUTANTS cannot be repeated.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - UNIQUE VALUES MUST BE SUPPLIED FOR VIOLATING POLLUTANTS.

VIOLATING POLLUTANTS cannot be repeated.

6.7.35 REGIONAL DATA ELEMENT 16

REGIONAL DATA ELEMENT 16 is an optional field defined by users and used to maintain information relating to point level actions.

Attributes: 25 character code
Not required.

Coding Instructions:

Online: Screen 336

In the 'RDE16' field found on the Point Action screen, enter up to 25 characters for **REGIONAL DATA ELEMENT 16**.

Batch: Transaction type 36, Sequence #4

In column 21-45, enter up to 25 characters for **REGIONAL DATA ELEMENT 16**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.8 Update AFS Point Comment Information

AFS comment supports the maintenance of up to 240 characters of comment information pertaining to the point. Through the use of the comment "emissions/compliance" identifier, specific comments can be designated as applicable (and owned) by emissions or compliance users.

6.8.1 Common Data Field

In cases where the comment information describes a particular aspect of a previously identified compliance activity, the data fields **ACTION NUMBER** and **COMMENT NUMBER** serve as the common data elements to associate all AFS Point Air Comment fields and therefore must be referenced in all batch update transactions.

6.8.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur.

Attributes: 3 character code
Required

Coding Instructions:

Enter the number which identifies the point at a facility for which comment information will be entered.

Online: Screen 337

In the 'POINT' field found on the Point Comment Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 37, Sequence #1

In columns 14-16, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

6.8.1.2 **COMPLIANCE/EMISSIONS IDENTIFIER**

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 337

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the Point Comment Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 37, Sequence #1

In column 19, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

6.8.1.3 **ACTION NUMBER**

ACTION NUMBER is a unique three-digit number compliance action identifier.

Attributes: 3 digit code
 Not required

Coding Instructions:

An **ACTION NUMBER** should be entered when AFS Point Comment Information describes a specific point level compliance activity.

Online: Screen 337

 In the 'ACTION NUMBER' field found on the Point Comment Information screen, enter a 3 digit value for **ACTION NUMBER**.

Batch: Transaction type 37, Sequence #1-4

 In columns 20-22, enter a 3 digit value for **ACTION NUMBER**.

Online Error Messages:

INVALID ACTION NUMBER.

ACTION NUMBER must be numeric.

ACTION DOES NOT EXIST FOR POINT.

ACTION NUMBER must previously exist for the point. This information would be entered into AFS Point Action Information either online at screen 306 or by batch transaction type 16, sequence number 1. See Section 4.7 in the AFS User's Guide AF2 for specific instructions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID ACTION NUMBER.

ACTION NUMBER must be numeric.

TRANSACTION ERROR - ACTION DOES NOT EXIST FOR POINT.

ACTION NUMBER must previously exist for the point. This information would be entered into AFS Point Action Information either online at screen 306 or by batch transaction type 16, sequence number 1. See Section 4.7 in the AFS User's Guide AF2 for specific instructions.

6.8.1.4 CHANNEL NUMBER

CHANNEL NUMBER is a three-character code identifying the type of monitoring conditions associated with either a point monitor or a point quarterly Excess Emission Report (EER).

Attributes: 3 character code
Required

Coding Instructions:

Each of the three characters of the **CHANNEL NUMBER** describe an aspect of the monitoring conditions. Enter the corresponding codes from the table below to indicate the following: type of emissions being monitored; whether a point monitor or point quarterly EER is being described; and if a single or group monitoring situation is present.

Online: Screen 337

In the 'CHANNEL NUMBER' field found on the Point Comment Information screen, valid values are listed on the tables below.

Batch: Transaction type 37, Sequence #1

In columns 23-25, for Point Monitor **CHANNEL NUMBER**, valid values are from the tables below.

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: MONITOR INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a point monitor, the second position must equal '1'.

THIRD CHARACTER: SINGLE/GROUP MONITOR NUMBER

Indicates if a monitor is the single monitor for the point or one of several monitoring the point. single monitors are indicated by a value of '1'. Cluster monitors are indicated by a sequential number between 2 - 9.

For Point Quarterly Excess Emissions Reports (EER), the **CHANNEL NUMBER** values are as follows:

FIRST CHARACTER: EMISSIONS BEING MONITORED

- 0 - AIR TOXICS MONITOR
- 1 - OPACITY MONITOR
- 2 - SULFUR DIOXIDE (SO₂) MONITOR
- 3 - NO_x MONITOR
- 4 - DILUENT (OXYGEN OR CARBON DIOXIDE) MONITOR
- 5 - HYDROCARBON
- 6 - TOTAL REDUCED SULFUR (SO₂) MONITOR
- 7 - HYDROGEN DISULFIDE MONITOR
- 8 - CARBON MONOXIDE
- 9 - COAL SAMPLING AND ANALYSIS

SECOND CHARACTER: EER INDICATOR

To indicate that the **CHANNEL NUMBER** is associated with a quarterly excess emission report, the second position must equal '9'.

THIRD CHARACTER: SINGLE/GROUP EER MONITOR NUMBER

The third character of an EER **CHANNEL NUMBER** must be either '5' (meaning "Percentage Reduction for SO₂ and NO_x") or '9' (meaning EER for all pollutants").

Online Error Messages:

INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one or a nine as the second digit.

THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER must have a valid value as listed above for the third digit.

Batch Transaction Error Messages:

TRANSACTION ERROR - INVALID CHANNEL NUMBER.

CHANNEL NUMBER must be a valid value as listed above.

TRANSACTION ERROR - CHANNEL NUMBER IS REQUIRED.

CHANNEL NUMBER must be entered.

TRANSACTION ERROR - FIRST PARAMETER OF CHANNEL NUMBER ID INVALID.

CHANNEL NUMBER must have a valid value as listed above for the first digit.

TRANSACTION ERROR - SECOND DIGIT OF CHANNEL NUMBER MUST BE 1 OR 9.

CHANNEL NUMBER must have a one or a nine as the second digit.

TRANSACTION ERROR - THIRD DIGIT OF CHANNEL NUMBER MUST BE 5 OR 9.

CHANNEL NUMBER must have a valid value as listed above for the third digit.

6.8.1.5 **REPORT QUARTER**

REPORT QUARTER identifies the year and quarter in which an excess emissions report was submitted.

Attributes: 4 character code
Required

Coding Instructions:

Online: Screen 337

In the 'REPORT QUARTERS' field found on the Point Comment Information screen, valid date format is YYQQ (Year-Year-Quarter-Quarter) with Quarter Values as follows: 01, 02, 03, 04 .

Batch: Transaction type 37, Sequence #1

In columns 26 - 29, valid date format is YYQQ (Year-Year-Quarter-Quarter) with Quarter Values as follows: 01, 02, 03, 04 .

Online Error Messages:

REPORT QUARTER MUST BE '01', '02', '03', OR '04'.

REPORT QUARTER must be a valid value of 01, 02, 03, or 04.

REPORT QUARTER IS REQUIRED.

REPORT QUARTER must be entered.

Batch Transaction Error Messages:

TRANSACTION ERROR - REPORT QUARTER MUST BE '01', '02', '03', OR '04'.

REPORT QUARTER must be a valid value of 01, 02, 03, or 04.

REPORT QUARTER IS REQUIRED.

REPORT QUARTER must be entered.

6.8.1.6 **COMMENT NUMBER**

COMMENT NUMBER is a unique three-digit numeric comment identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 337

In the 'COMMENT NUMBER' field found on the Point Comment Information screen, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Batch: Transaction type 37, Sequence #1-4

In columns, 19-21, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Online Error Messages:

INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Point Comment Information so that each point level comment is uniquely identified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Point Comment Information so that each point level comment is uniquely identified.

6.8.1.7 **COMMENT IDENTIFIER**

COMMENT IDENTIFIER is a one-character field used to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

Attributes: 1 character code
 Required

Coding Instructions:

Online: Screen 337

In the 'COMMENT IDENTIFIER' field found on the Point Comment Information screen, enter an valid value for **COMMENT IDENTIFIER** from the list below.

Batch: Transaction type 37, Sequence #1-4

In column 33, enter a valid value for **COMMENT IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION

Online Error Messages:

COMMENT IDENTIFIER must be 'C' or 'E'.

COMMENT IDENTIFIER must be a 'C' or 'E' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMMENT IDENTIFIER must be 'C' or 'E'.

COMMENT IDENTIFIER must be a 'C' or 'E' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C).

6.8.2 **COMMENT**

COMMENT is an optional field which permits the user to enter additional information. Online comments consist of four lines, each of which can hold up to sixty characters. Batch comments are entered using up to four comment transactions, each of which contains up to 54 characters.

Attributes: 55 character code
 Not required

Coding Instructions:

Online: Screen 337

In the 'COMMENT' field found on the Point Comment Information screen, enter up to 240 characters for **COMMENT**.

Batch: Transaction type 37, Sequence #1,2,3 and/or 4

In columns 34-75, enter up to 54 characters for **COMMENT**, line 1.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

6.8.3 ENFORCEMENT SENSITIVE INDICATOR

ENFORCEMENT SENSITIVE INDICATOR is a one-character field used to indicate if a compliance point comment is considered enforcement sensitive

Attributes: 1 character code
 Not Required (defaults to 'N' - not sensitive) Update sensitive access required to enter a value of 'Y'.

Coding Instructions:

Online: Screen 343

In the 'ENFORCEMENT SENSITIVE INDICATOR' field found on the Point Comment Information screen, enter 'Y' or 'N'.

Batch: Transaction type 37, Sequence #1

In column 78, enter 'Y' or 'N' for **ENFORCEMENT SENSITIVE INDICATOR**. The indicator will default to 'N' if left blank when the record is added.

Online Error Messages:

ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'. The indicator will default to 'N' if left blank when the record is added.

6.8.4 **STATE PRIVATE INDICATOR**

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and designated State Private.

Attributes: 1 digit code
Not Required

Coding Instructions:

Online: Screen 337

In the 'STATE PRIVATE INDICATOR' field found in the Point Comment Information screen, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Batch: Transaction type 37, Sequence #1

In column 79, enter a **STATE PRIVATE INDICATOR**. Valid values are 'Y' or 'N'.

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR - ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be a 'N' in order to Update an existing Segment Comment.

7.0 Segment Level Transactions

AFS maintains emissions data pertaining to processes, defined by eight-character source classification codes, within facilities monitored by EPA and State agencies under each agency's emission inventory programs. Segment level data provide information about the process, such as its type, description, process rate, control equipment and efficiency, inventoried pollutants, pollutant chemical composition, and comments. Segment level online screens and batch update transactions are used to update record-specific data fields. In AFS, all segments must be associated to an emissions point. Consequently, when adding an emissions or merged point to AFS, users must simultaneously add at least one segment general record for the point or the point won't be added to AFS. Similarly, no new segments can be added to AFS without being associated to an existing or simultaneously added point. Online users, upon completing the key and mandatory data requirements of screen 330 (Plant General) will automatically be taken to screen 340 (Segment General) which upon completion will simultaneously add a point and associated segment to the database. Batch update users must remember to add both a Point General (transaction type 30) and Segment General (transaction type 40) in the same batch, or the segment will not be successfully added.

The online screens, batch transaction types, and associated data fields are as follows:

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
<u>AFS General Segment</u>	340	40
Point ID		
Compliance/Emissions Indicator		
Segment ID		
Stack ID		
Source Classification Code		
State Sensitive Indicator		
Segment Description		
Annual Fuel Process Rate		
Maximum Operation Rate		
Per Hour		
Pollution Prevention Indicator		
Sulfur Content %		
Ash Content %		
Ash/Sulfur Source		
Ash/Sulfur Origin		
Heat Content		
Fuel/Material Supplier		

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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<u>AFS General Segment</u>	340	40
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Tank Vapor Pressure
Tank Vapor Molecular Weight
Peak Ozone Season Vapor
Pressure
Control Equipment Cost
Control Equipment
Installation Date
Solvent Purchased
Solvent Reprocessed
Material Safety Data Sheet
SDE 6
SDE 7
Peak Ozone Season Daily
Process Rate
Peak CO Season Daily
Process Rate
Optional Fuel Process
Rate Units

<u>AFS Segment Pollutant</u>	341	41
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Pollutant Code
Chemical Abstract
Service Number
Emissions Type Indicator
Actual Uncontrolled
Emissions Value
Allowable Emissions
Value
Annual Banked
Emissions Value
Estimated Emissions Value
Measured Emissions Value
Potential Controlled
Emissions Value
Potential Uncontrolled

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
<u>AFS Segment Pollutant</u> (con't)	341	41
Emissions Value		
Decimal Position (batch only)		
Actual Uncontrolled		
Emissions Value		
Units Code		
Allowable Emissions Value		
Units Code		
Annual Banked Emissions		
Value Units Code		
Estimated Emissions		
Units Code		
Measured Emissions		
Units Code		
Potential Controlled		
Emissions Value		
Units Code		
Potential Uncontrolled		
Emissions Value		
Units Code		
Trace Code Emissions		
Value Units Code		
Actual Uncontrolled		
Emissions Value		
Method Code		
Estimated Emissions		
Method Code		
Trace Code Emissions		
Method Code		
Primary Control Equipment		
Secondary Control Equipment		
Control Equipment Efficiency		
Control Equipment Efficiency		
Method Code		
Trace Element Percent		
Trace Element Method Code		
Emission Factor		

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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AFS Segment Pollutant
(con't)

341

41

Emissions Factor
Decimal Position (batch only)
Emission Factor Origin
Emission Factor Source
Ash/Sulfur/Trace Code
SDE 8
State Private Indicator
Seasonal Adjustment Factor
Rule Effectiveness %
Rule Effectiveness Method Code
State Private Indicator
Primary Control Equipment Manufacturer
Secondary Control Equipment Manufacturer
Pollutant Form
Emission Limitation Description
SIP Rule in Place
Year Regulated
Year Last Modified

AFS Segment Chemical

342

42

Pollutant Code
Chemical Abstract
Service Number
Chemical Density
Chemical Density
Decimal Position
Chemical Weight Percent
State Private Indicator

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS Segment Projected <u>Pollutant</u>	343	43
Pollutant Code		
Chemical Abstract		
Service Number		
Projection Year		
Projection Inventory Type		
Projected Emission		
Type Indicator		
Projected Emissions Value		
Projected Emissions		
Decimal Position (batch only)		
Projected Emissions		
Unit Value		
Projected Emissions		
Method Code		
Projection Emission Limitation		
Description		
Projection Primary Control		
Equipment		
Projection Secondary Control		
Equipment		
Projection Control Equipment		
Efficiency		
Projection Control Equipment		
Efficiency Method		
Projection Growth Factor		
SIP Rule in Place		
Year Regulated		
<u>AFS Segment Projected Pollutant</u>	344	43
Projected Rule		
Effectiveness		
Projected Rule		
Effectiveness Method		

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
<u>AFS Segment Comment</u>	343	47

Comment Number
Comment Identifier
Comment
Enforcement Sensitive Indicator
State Private Indicator

7.1 Common Data Fields

The data fields in this section, **POINT NUMBER**, **COMPLIANCE/EMISSIONS IDENTIFIER**, and **SEGMENT NUMBER** serve as the common data elements to associate all related Segment Level records and must be referenced in all update transactions.

7.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur, and to which a segment is dated. A point general record must exist in AFS prior to updating associated segment data.

Attributes: 3 character code
Required

Coding Instructions:

Enter the number which identifies the point at a facility for which segment information will be entered.

Online: Screen 340

In the 'POINT ID' field found on the AFS Segment Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 40, Sequence #1-5

In columns 16-18, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

POINT DOES NOT EXIST

A Point must exist in AFS before users can successfully add segments.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

TRANSACTION ERROR - INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

POINT DOES NOT EXIST

A Point must exist in AFS before users can successfully add segments.

7.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), compliance point numbers (C), and merged point numbers (M). Users may input any or all three identifiers for different points within a facility.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 340

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the AFS Segment Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below. A point **COMPLIANCE/EMISSIONS IDENTIFIER** will be system-generated, when adding a segment to a compliance-only or emissions-only facility, or will require user input, when adding a point to a merged facility.

Batch: Transaction type 40, Sequence #1-5

In column 19, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

7.1.3 SEGMENT NUMBER

SEGMENT NUMBER a number used to designate an operation that causes air pollutant emissions, and which is associated with a point within the plant. Up to 99 segments may be associated with each emissions or merged point.

Attributes: 2 digit code
Required

Coding Instructions:

By entering an input value of 99, the system will generate the next available segment number for a point within a plant.

Online: Screen 340

In the 'SEGMENT NUMBER' field found in the AFS Segment Information screen, enter a 01 - 99 **SEGMENT NUMBER**. Valid values are numeric values between 1 and 99.

Batch: Transaction type 40, Sequence #1-5

In columns 20-21, enter a 01 - 99 for **SEGMENT NUMBER**.

Online Error Messages:

SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR -SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

TRANSACTION ERROR - INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

TRANSACTION ERROR - SEGMENT IS ALREADY ASSOCIATED WITH A STACK.

SEGMENT NUMBER can not be associated with more than one stack.

7.2 Update AFS Segment General

Users may identify the physical parameters associated with the segment/process by using the segment general record. As an option, users may associate a segment with an existing AFS stack, indicating the segment's emissions are venting through the stack. Because not all segments associated with a point (the generator within a generator hole, for example) may not vent through the same stack, points are not directly tied to stacks in AFS; rather points which have all segments vented to the same stack are "implied" to be associated with the stack.

7.2.1 STACK ID

STACK ID is a number used to identify stacks within a plant. As an option, users may associate an existing stack number to a segment. This provides a means to aggregate segments level information to associated stacks. The segment-to-stack link is used to:

- 1) Define which points vent entirely through a particular stack by associating stack numbers to all segments associated to a point.
- 2) Illustrate single points venting through multiple stacks by associating different stack numbers to the various segments associated to a point.
- 3) Define which segments associated with a point do not vent through stacks, and are released ambiently.

Attributes: 3 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'STACK ID' field found in the AFS Segment Identification screen, enter a 001 - 998 **STACK ID**.

Batch: Transaction type 40, Sequence #1

In columns 22-24, enter a 001 - 998 **STACK ID**.

Online Error Messages:

INVALID STACK NUMBER.

STACK ID must be a numeric value between 1 and 999.

STACK DOES NOT EXIST.

STACK ID must first exist before updating a Stack with an associated Segment.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STACK DOES NOT EXIST.

STACK ID must first exist before updating a Stack with an associated Segment.

TRANSACTION ERROR - THE STACK TO BE ASSOCIATED WITH THIS SEGMENT DOES NOT EXIST.

STACK ID must exist first before a Segment can be associated with it.

7.2.2 SOURCE CLASSIFICATION CODE

SOURCE CLASSIFICATION CODE (SCC) is an eight-character code which represents a unique process or function within a source category logically associated with a point of air pollution emissions. In AFS, any operation that causes air pollution can be represented by one or more of these segments. Source Classification Codes have associated pollutants and emission factors for pollutants resulting from the pollutant process. These values are maintained in the AP-42 Table in AFS. The SCC is used by AFS to access the proper pollutant and emission factor values used by AFS when automatically calculating pollutant emissions.

Attributes: 8 digit code
Required

Coding Instructions:

SOURCE CLASSIFICATION CODE (SCC) is a very critical item since, without an appropriate SCC, a process can not be properly identified for retrieval purposes, nor the emissions properly calculated.

Online: Screen 340

In the 'SOURCE CLASSIFICATION CODE' field found in the AFS Segment General Information screen, enter a valid **SOURCE CLASSIFICATION CODE**. The **SOURCE CLASSIFICATION CODE** must exist on the AFS Source Classification Code Table, maintained within AFS in the AFS Table File. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 40, Sequence #1

In columns 25-32, enter a valid **SOURCE CLASSIFICATION CODE**. The **SOURCE CLASSIFICATION CODE** must exist on the AFS Source Classification Code Table, maintained within AFS in the AFS Table File.

Online Error Messages:

SOURCE CLASSIFICATION CODE IS REQUIRED.

SOURCE CLASSIFICATION CODE is required to update a segment.

INVALID SOURCE CLASSIFICATION CODE.

SOURCE CLASSIFICATION CODE must be a valid code on the AFS Source Classification Table.

THIS SCC REQUIRES TRACE ELEMENT % ON SEG PLLT FOR EMISSION CALCS.

When the Ash-Sulfur-Trace-Code = 'T' for the **SOURCE CLASSIFICATION CODE** pollutant combination on the AFSS-TABLE-EMIS-FACT, the Trace Element Percent on Segment Pollutant for that pollutant must have a value other than '0' for a calculated emission with method code '8'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOURCE CLASSIFICATION CODE IS REQUIRED.

SOURCE CLASSIFICATION CODE is required to update a segment.

TRANSACTION ERROR - INVALID SOURCE CLASSIFICATION CODE.

SOURCE CLASSIFICATION CODE must be a valid code on the AFS Source Classification Table.

TRANSACTION ERROR - THIS SCC REQUIRES TRACE ELEMENT % ON SEG PLLT FOR EMISSION CALCS.

When the Ash-Sulfur-Trace-Code = 'T' for the **SOURCE CLASSIFICATION CODE** pollutant combination on the AFSS-TABLE-EMIS-FACT, the Trace Element Percent on Segment Pollutant for that pollutant must have a value other than '0' for a calculated emission with method code '8'.

7.2.3 STATE SENSITIVE INDICATOR

STATE SENSITIVE INDICATOR identifies whether the following process information is state sensitive for a segment: Annual Estimated Emissions Method Code (on the Segment Pollutant Record), Annual Fuel Process Rate and Maximum Operation Rate per Hour, Peak CO Season Daily Process Rate and Peak Ozone Season Daily Process Rate.

Attributes: 1 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'STATE SENSITIVE INDICATOR' field found in the AFS Segment General Information screen, enter a either be a 'Y' for yes or a 'N' for no.

Batch: Transaction type 40, Sequence #1

In column 33, enter a valid **STATE SENSITIVE INDICATOR**, either 'Y' for yes or a 'N' for no.

Online Error Messages:

STATE SENSITIVE INDICATOR MUST BE A 'Y' OR 'N'.

STATE SENSITIVE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE SENSITIVE INDICATOR MUST BE A 'Y' OR 'N'.

STATE SENSITIVE INDICATOR must be either a 'Y' or a 'N'.

7.2.4 SEGMENT DESCRIPTION

SEGMENT DESCRIPTION is a user-defined description of the segment.

Attributes: 25 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'SEGMENT DESCRIPTION' field found in the AFS Segment General Information screen, enter up to 25 characters for **SEGMENT DESCRIPTION**.

Batch: Transaction type 40, Sequence #1

In columns 34-58, enter up to 25 characters for **SEGMENT DESCRIPTION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

7.2.5 ANNUAL FUEL PROCESS RATE

ANNUAL FUEL PROCESS RATE is the actual or estimated annual fuel, process or solid waste combustion rate for a specific segment. The AFS Source Classification Code Table prescribes the standard Annual Fuel Process Rate Units associated with each Source Classification Code. These unit values can be found either in the EPA AP-42 guidance Documentation or the AFS SCC Table Lookup File Utility.

Attributes: 7 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'ANNUAL FUEL PROCESS RATE' field found in the AFS Segment General Information screen, enter 0 - 9999999 **ANNUAL FUEL PROCESS RATE**.

Batch: Transaction type 40, Sequence #1

In columns 59-65, enter 0 - 9999999 **ANNUAL FUEL PROCESS RATE**.

Online Error Messages:

ANNUAL FUEL PROCESS RATE MUST BE NUMERIC - FORMAT 9999999.

ANNUAL FUEL PROCESS RATE must be a numeric code between 0 and 9999999.

INVALID ANNUAL FL. PR. RATE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ANNUAL FUEL PROCESS RATE must be a numeric code between 0 and 9999999 without any blanks.

ANNUAL FUEL PROCESS RATE MUST BE ENTERED IN SEG-GEN FOR CALS.

ANNUAL FUEL PROCESS RATE must be entered in Segment General for calculations.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ANNUAL FUEL PROCESS RATE MUST BE NUMERIC - FORMAT 9999999.

ANNUAL FUEL PROCESS RATE must be a numeric code between 0 and 9999999.

TRANSACTION ERROR - INVALID ANNUAL FL. PR. RATE - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ANNUAL FUEL PROCESS RATE must be a numeric code between 0 and 9999999 without any blanks.

TRANSACTION ERROR - ANNUAL FUEL PROCESS RATE MUST BE ENTERED IN SEG-GEN FOR CALS.

ANNUAL FUEL PROCESS RATE must be entered in Segment General for calculations.

TRANSACTION ERROR - ANNUAL FUEL PROCESS RATE MUST BE ENTERED TO CALCULATE PEAK O3.

ANNUAL FUEL PROCESS RATE must be entered in order to calculate Peak Ozone Season Daily Process Rate.

TRANSACTION ERROR - ANNUAL FUEL PROCESS RATE MUST BE ENTERED TO CALCULATE PEAK CO.

ANNUAL FUEL PROCESS RATE must be entered in order to calculate Peak CO Season Daily Process Rate.

7.2.6 MAXIMUM OPERATION RATE PER HOUR

MAXIMUM OPERATION RATE PER HOUR is the maximum hourly operational rate of the process under normal conditions.

Attributes: 4.3 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'MAXIMUM OPERATION RATE PER HOUR' field found in the AFS Segment General Information screen, enter a valid **MAXIMUM OPERATION RATE PER HOUR**. Valid values are .001 - 9999.999.

Batch: Transaction type 40, Sequence #1

In columns 66-72, enter a valid **MAXIMUM OPERATION RATE PER HOUR**. Valid values are .000 - 9999.999.

Online Error Messages:

MAXIMUM OPERATION RATE PER HOUR MUST BE NUMERIC - FORMAT 9999.999.

MAXIMUM OPERATION RATE PER HOUR must be a numeric value between 0 and 9999.999.

INVALID MAX. OP. RATE/HR - EMBEDDED LEADING BLANKS NOT ALLOWED.

MAXIMUM OPERATION RATE PER HOUR must be a numeric value between 0 and 9999.999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - MAXIMUM OPERATION RATE PER HOUR MUST BE NUMERIC - FORMAT 9999.999.

MAXIMUM OPERATION RATE PER HOUR must be a numeric value between 0 and 9999.999.

7.2.7 POLLUTION PREVENTION INDICATOR

POLLUTION PREVENTION INDICATOR indicates that pollution prevention measures are in place and are to be documented in a segment comment.

Attributes: 1 character code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'POLLUTION PREVENTION IND' field found in the AFS Segment General Information screen, enter a 'Y', 'N', or leave blank.

Batch: Transaction type 40, Sequence #1

In column 73, enter a 'Y', 'N' or leave blank for **POLLUTION PREVENTION INDICATOR**.

Online Error Messages:

POLLUTION PREVENTION INDICATOR MUST BE 'Y', 'N' OR BLANK.

POLLUTION PREVENTION INDICATOR must be 'Y', 'N', or blank.

Batch Transaction Report Error Messages:

None.

7.2.8 SULFUR CONTENT %

SULFUR CONTENT % is the annual or seasonal average **SULFUR CONTENT** of the fuel used in a combustion process, indicated as a percentage based on weight.

Attributes: 2.3 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'SULFUR CONTENT %' field found in the AFS Segment General Information screen, enter a valid **SULFUR CONTENT %**. Valid values are .001 -99.999.

Batch: Transaction type 40, Sequence #2

In columns 22-26, enter a valid **SULFUR CONTENT %**. Valid values are .001 - 99.999.

Online Error Messages:

SULFUR CONTENT MUST BE NUMERIC - FORMAT 99.999.

SULFUR CONTENT % must be a numeric value between 0 and 99.99.

INVALID SULFUR CONTENT - EMBEDDED LEADING BLANKS NOT ALLOWED.

SULFUR CONTENT % must be a numeric value between 0 and 99.999 without any blanks.

SULFUR CONTENT PERCENT IS REQUIRED FOR EMISSION CALCS ON SEG PLLT.

SULFUR CONTENT % must have a value other than '0' for a calculated emission with Method Code '8' or '9' and an Ash Sulfur Trace Code of 'S' for emission calculations on Segment Pollutant.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SULFUR CONTENT MUST BE NUMERIC - FORMAT 99.999.

SULFUR CONTENT % must be a numeric value between 0 and 99.99.

TRANSACTION ERROR - INVALID SULFUR CONTENT - EMBEDDED LEADING BLANKS NOT ALLOWED.

SULFUR CONTENT % must be a numeric value between 0 and 99.999 without any blanks.

TRANSACTION ERROR - SULFUR CONTENT PERCENT IS REQUIRED FOR EMISSION CALCS ON SEG PLLT.

SULFUR CONTENT % must have a value other than '0' for a calculated emission with Method Code '8' or '9' and an Ash Sulfur Trace Code of 'S' for emission calculations on Segment Pollutant.

7.2.9 **ASH CONTENT %**

ASH CONTENT % is the Ash Content of Emissions associated with a Segment Combustion Process, Indicated as a weight percentage.

Attributes: 2.2 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'ASH CONTENT %' field found in the AFS Segment General Information screen, enter a valid **ASH CONTENT %**. Valid values are .01 - 99.99.

Batch: Transaction type 40, Sequence #2

In columns 27-30, enter a valid **ASH CONTENT %**. Valid values are .001 - 99.99.

Online Error Messages:

ASH CONTENT MUST BE NUMERIC - FORMAT 99.99.

ASH CONTENT % must be a numeric value between .01 and 99.99.

INVALID ASH CONTENT - EMBEDDED LEADING BLANKS NOT ALLOWED.

ASH CONTENT % must be a numeric value between 0 and 99.999 without any blanks.

ASH CONTENT PERCENT IS REQUIRED FOR EMISSION CALCS ON SEG PLLT.

ASH CONTENT % must have a value other than '0' for a calculated emission with Method Code '8' or '9' and an Ash Sulfur Trace Code of 'A' for emission calculations on Segment Pollutant.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ASH CONTENT MUST BE NUMERIC - FORMAT 99.99.

ASH CONTENT % must be a numeric value between .01 and 99.99.

TRANSACTION ERROR - INVALID ASH CONTENT - EMBEDDED LEADING BLANKS NOT ALLOWED.

ASH CONTENT % must be a numeric value between 0 and 99.999 without any blanks.

TRANSACTION ERROR - ASH CONTENT PERCENT IS REQUIRED FOR EMISSION CALCS ON SEG PLLT.

ASH CONTENT % must have a value other than '0' for a calculated emission with Method Code '8' or '9' and an Ash Sulfur Trace Code of 'A' for emission calculations on Segment Pollutant.

7.2.10 **ASH/SULFUR SOURCE**

ASH/SULFUR SOURCE is a user-defined code to identify the source of the ASH/SULFUR Information such as Plant Engineering Documentation, EPA or State Reference Documents, ETC.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'ASH/SULFUR SOURCE' field found in the AFS Segment General Information screen, enter an **ASH/SULFUR SOURCE**.

Batch: Transaction type 40, Sequence #2

In column 31, enter an **ASH/SULFUR SOURCE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

7.2.11 **ASH/SULFUR ORIGIN**

ASH/SULFUR ORIGIN indicates the reference origin of the ASH/SULFUR Information related to the Segment.

Attributes: 7 digits code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'ASH/SULFUR ORIGIN' field found in the AFS Segment General Information screen, enter an **ASH/SULFUR ORIGIN** from the list below.

Batch: Transaction type 40, Sequence #2

In columns 32-38, enter an **ASH/SULFUR ORIGIN** from the list below.

FEDERAL
STATE
LOCAL

Online Error Messages:

ASH/SULFUR ORIGIN MUST BE 'FEDERAL', 'STATE', OR 'LOCAL'.

ASH/SULFUR ORIGIN must be either 'Federal', 'State', or 'Local'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ASH/SULFUR ORIGIN MUST BE 'FEDERAL', 'STATE', OR 'LOCAL'.

ASH/SULFUR ORIGIN must be either 'Federal', 'State', or 'Local'.

7.2.12 HEAT CONTENT

HEAT CONTENT is the heat content for Combustion Processes, specified in millions of BTUS per Source Classification Code (SCC) units. Units applicable to the SCC are available through AP-42 documentation or the AP-42 lookup table accessed through the AFS online utility menu.

Attributes: 5.0 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'HEAT CONTENT' field found in the AFS Segment General Information screen, enter 0 - 99999 **HEAT CONTENT**.

Batch: Transaction type 40, Sequence #2

In columns 39-45, enter 0 - 99999 **HEAT CONTENT**.

Online Error Messages:

HEAT CONTENT MUST BE NUMERIC - FORMAT 99999.

HEAT CONTENT must be a numeric code between 0 and 99,999.

INVALID HEAT CONTENT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HEAT CONTENT must be a numeric code between 0 and 99,999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - HEAT CONTENT MUST BE NUMERIC - FORMAT 99999.

HEAT CONTENT must be a numeric code between 0 and 99,999.

TRANSACTION ERROR - INVALID HEAT CONTENT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

HEAT CONTENT must be a numeric code between 0 and 99,999 without any blanks.

7.2.13 FUEL/MATERIAL SUPPLIER

FUEL/MATERIAL SUPPLIER is the name of the supplier delivering fuel and/or material to the plant.

Attributes: 40 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'FUEL/MATERIAL SUPPLIER' field found in the AFS Segment General Information screen, enter up to 40 characters for **FUEL/MATERIAL SUPPLIER**.

Batch: Transaction type 40, Sequence #3

In columns 22-61, enter up to 40 characters for **FUEL/MATERIAL SUPPLIER**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

7.2.14 TANK VAPOR PRESSURE

TANK VAPOR PRESSURE is the vapor pressure of liquid material in Pounds per Square Inch Actual (PSIA), at the average storage temperature for that material.

Attributes: 2.4 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'TANK VAPOR PRESSURE' field found in the AFS Segment General Information screen, enter a 0 - 99.9999 **TANK VAPOR PRESSURE**.

Batch: Transaction type 40, Sequence #3

In columns 62-67, enter a 0 - 99.9999 **TANK VAPOR PRESSURE**.

Online Error Messages:

TANK VAPOR PRESSURE MUST BE NUMERIC - FORMAT 99.9999.

TANK VAPOR PRESSURE must be a numeric code between 0 and 99.9999.

INVALID TANK VAPOR PRESSURE - EMBEDD/LEADING BLANKS NOT ALLOWED.

TANK VAPOR PRESSURE must be a numeric code between 0 and 99.9999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - TANK VAPOR PRESSURE MUST BE NUMERIC - FORMAT 99.9999.

TANK VAPOR PRESSURE must be a numeric code between 0 and 99.9999.

TRANSACTION ERROR - INVALID TANK VAPOR PRESSURE - EMBEDD/LEADING BLANKS NOT ALLOWED.

TANK VAPOR PRESSURE must be a numeric code between 0 and 99.9999 without any blanks.

7.2.15 TANK VAPOR MOLECULAR WEIGHT

TANK VAPOR MOLECULAR WEIGHT is the average molecular weight of the vapor contents within a tank (LB/LB MOLE) during the reporting year.

Attributes: 3.0 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'TANK VAPOR MOLECULAR WEIGHT' field found in the AFS Segment General Information screen, enter a 0 -999 **TANK VAPOR MOLECULAR WEIGHT**.

Batch: Transaction type 40, Sequence #3

In columns 68-70, enter a 0 - 999 **TANK VAPOR MOLECULAR WEIGHT**.

Online Error Messages:

VAPOR MOLECULAR WEIGHT MUST BE NUMERIC - FORMAT 999.

TANK VAPOR MOLECULAR WEIGHT must be a numeric code between 0 and 999.

INVALID MOLE. WEIGHT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK VAPOR MOLECULAR WEIGHT must be a numeric code between 0 and 999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - VAPOR MOLECULAR WEIGHT MUST BE NUMERIC - FORMAT 999.

TANK VAPOR MOLECULAR WEIGHT must be a numeric code between 0 and 999.

TRANSACTION ERROR - INVALID MOLE. WEIGHT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

TANK VAPOR MOLECULAR WEIGHT must be a numeric code between 0 and 999 without any blanks.

7.2.16 **PEAK OZONE SEASON VAPOR PRESSURE**

PEAK OZONE SEASON VAPOR PRESSURE is the Vapor Pressure of liquid material in Pounds per Square Inch Actual (PSIA), at the average storage temperature for that material during the Peak Ozone Season.

Attributes: 2.4 digit code
Not Required

Coding Instructions:

Online: Screen 340

In the 'PEAK OZONE SEASON VAPOR PRESSURE' field found in the AFS Segment General Information screen, enter a 0 - 99.9999 **PEAK OZONE SEASON VAPOR PRESSURE**.

Batch: Transaction type 40, Sequence #3

In columns 71-76, enter a 0 -99.9999 **PEAK OZONE SEASON VAPOR PRESSURE**.

Online Error Messages:

PEAK 03 SEASON VAPOR PRESSURE MUST BE NUMERIC - FORMAT 99999.

PEAK OZONE SEASON VAPOR PRESSURE must be a valid value between 0 and 99.9999.

INVALID PEAK 03 SEAS VAPOR PRES EMBEDDED/LEADING BLANKS NOT ALLOW.

PEAK OZONE SEASON VAPOR PRESSURE must be a valid value between 0 and 99.9999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PEAK 03 SEASON VAPOR PRESSURE MUST BE NUMERIC -
FORMAT 99999.

PEAK OZONE SEASON VAPOR PRESSURE must be a valid value between 0 and
99.9999.

TRANSACTION ERROR - INVALID PEAK 03 SEAS VAPOR PRES EMBEDDED/LEADING
BLANKS NOT ALLOW.

PEAK OZONE SEASON VAPOR PRESSURE must be a valid value between 0 and 99.9999
without any blanks.

7.2.17 CONTROL EQUIPMENT COST

CONTROL EQUIPMENT COST is the Annual Cost of Maintenance and operation of Pollutant Control Equipment.

Attributes: 5.2 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'CONTROL EQUIPMENT COST' field found in the AFS Segment General Information screen, enter a .01 - 99999.99 **CONTROL EQUIPMENT COST**.

Batch: Transaction type 40, Sequence #4

In columns 22-28, enter a .01 - 99999.99 **CONTROL EQUIPMENT COST**.

Online Error Messages:

CONTROL EQUIPMENT COST MUST BE NUMERIC - FORMAT 99999.99.

CONTROL EQUIPMENT COST must be a numeric code between 0 and 99999.99.

INVALID CONTROL EQMT. COST - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT COST must be a numeric code between 0 and 99999.99 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CONTROL EQUIPMENT COST MUST BE NUMERIC - FORMAT 99999.99.

CONTROL EQUIPMENT COST must be a numeric code between 0 and 99999.99.

TRANSACTION ERROR - INVALID CONTROL EQMT. COST - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT COST must be a numeric code between 0 and 99999.99 without any blanks.

7.2.18 CONTROL EQUIPMENT INSTALLATION DATE

CONTROL EQUIPMENT INSTALLATION DATE is the installation date of the Control Equipment.

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'CONTROL EQUIPMENT INSTALLATION DATE' field found in the AFS Segment General Information screen, enter a **CONTROL EQUIPMENT INSTALLATION DATE**. Valid date format is YYMMDD.

Batch: Transaction type 40, Sequence #4

In columns 29-34, enter a **CONTROL EQUIPMENT INSTALLATION DATE**. Valid date format is YYMMDD.

Online Error Messages:

INVALID CONTROL EQUIPMENT CONTROL EQUIPMENT INSTALLATION DATE.

CONTROL EQUIPMENT INSTALLATION DATE must be in the form of the valid date format and must be a valid date.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTROL EQUIPMENT CONTROL EQUIPMENT INSTALLATION DATE.

CONTROL EQUIPMENT INSTALLATION DATE must be in the form of the valid date format and must be a valid date.

7.2.19 SOLVENT PURCHASED

SOLVENT PURCHASED is the Total Amount, in Gallons, of a Solvent Purchased and Delivered to a plant, during the Emission Inventory Report Year.

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'SOLVENT PURCHASED' field found in the AFS Segment General Information screen, enter a 0 - 999999 **SOLVENT PURCHASED**.

Batch: Transaction type 40, Sequence #4

In columns 35-40, enter a 0 -999999 **SOLVENT PURCHASED**.

Online Error Messages:

SOLVENT PURCHASED MUST BE NUMERIC - FORMAT 999999.

SOLVENT PURCHASED must be in the form of 0 - 999999.

INVALID SOLVENT PURCHASED - EMBEDDED/LEADING BLANKS NOT ALLOWED.

SOLVENT PURCHASED must be in the form of 0 - 999999.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOLVENT PURCHASED MUST BE NUMERIC - FORMAT 999999.

SOLVENT PURCHASED must be in the form of 0 - 999999.

TRANSACTION ERROR - INVALID SOLVENT PURCHASED - EMBEDDED/LEADING BLANKS NOT ALLOWED.

SOLVENT PURCHASED must be in the form of 0 - 999999.

7.2.20 **SOLVENT REPROCESSED**

SOLVENT REPROCESSED is the Total Amount, in Gallons, of a Solvent Reprocessed, Reclaimed, or Disposed of at a plant, during the Emission Inventory Report Year.

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'SOLVENT REPROCESSED' field found in the AFS Segment General Information screen, enter a 0 - 999999 **SOLVENT REPROCESSED**.

Batch: Transaction type 40, Sequence #4

In columns 41-46, enter a 0 - 999999 **SOLVENT REPROCESSED**.

Online Error Messages:

SOLVENT REPROCESSED MUST BE NUMERIC - FORMAT 999999.

SOLVENT REPROCESSED must be a numeric code between 0 and 999,999.

INVALID SOLVENT REPROCESSED - EMBBED/LEADING BLANKS NOT ALLOWED.

SOLVENT REPROCESS must be a numeric code between 0 and 999,999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SOLVENT REPROCESSED MUST BE NUMERIC - FORMAT 999999.

SOLVENT REPROCESSED must be a numeric code between 0 and 999,999.

TRANSACTION ERROR - INVALID SOLVENT REPROCESSED - EMBEDDED/LEADING BLANKS NOT ALLOWED.

SOLVENT REPROCESS must be a numeric code between 0 and 999,999 without any blanks.

7.2.21 MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET is a two character, user-defined code indicating the existence of a Material Safety Data Sheet for a Process, and the Year for which it was submitted.

Attributes: 2 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'MATERIAL SAFETY DATA SHEET' field found in the AFS Segment General Information screen, enter a 01 - 99 **MATERIAL SAFETY DATA SHEET**.

Batch: Transaction type 40, Sequence #4

In columns 47-48, enter a 01 - 99 **MATERIAL SAFETY DATA SHEET**.

Online Error Messages:

INVALID MATERIAL SAFETY DATA SHEET.

MATERIAL SAFETY DATA SHEET must be a numeric value between 01 and 99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID MATERIAL SAFETY DATA SHEET.

MATERIAL SAFETY DATA SHEET must be a numeric value between 01 and 99.

7.2.22 STATE DATA ELEMENT 6

State Data Element 6 (SDE 6) is an optional state user-defined field used to maintain information relating to State Emissions Information.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'SDE 6' field found in the AFS Segment General Information screen, enter a **SDE 6**.

Batch: Transaction type 40, Sequence #4

In column 49, enter a **SDE 6**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

7.2.23 STATE DATA ELEMENT 7

State Data Element 7 (SDE 7) is an optional state user-defined field used to maintain information relating to State Emissions Information.

Attributes: 5 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'SDE 7' field found in the AFS Segment General Information screen, enter up to 5 characters for **SDE 7**.

Batch: Transaction type 40, Sequence #4

In columns 50 - 54, enter up to 5 characters for **SDE 7**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

7.2.24 **PEAK OZONE SEASON DAILY PROCESS RATE**

PEAK OZONE SEASON DAILY PROCESS RATE is the Actual or Estimated Daily Fuel, Process or Solid Waste Operating Rate during the Ozone Season (typically June through August).

Attributes: 7 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'PEAK OZONE SEASON DAILY PROCESS RATE' field found in the AFS Segment General Information screen, enter a 0 - 9999999 **PEAK OZONE SEASON DAILY PROCESS RATE**.

Batch: Transaction type 40, Sequence #4

In columns 55 - 61, enter a 0 - 9999999 **PEAK OZONE SEASON DAILY PROCESS RATE**.

Online Error Messages:

PEAK 03 SEAS DAILY PROCESS RATE MUST BE NUMERIC - FORMAT 9999999.

PEAK OZONE SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999.

INVALID PEAK 03 SEAS DAILY PROC RATE - EMBED/LEAD BLANKS NOT ALLOW.

PEAK OZONE SEASON DAILY PROCESS RATE must be a valid value between 0 and 9,999,999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PEAK 03 SEAS DAILY PROCESS RATE MUST BE NUMERIC - FORMAT 9999999.

PEAK OZONE SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999.

TRANSACTION ERROR - INVALID PEAK O3 SEAS DAILY PROC RATE - EMBED/LEAD BLANKS NOT ALLOW.

PEAK OZONE SEASON DAILY PROCESS RATE must be a valid value between 0 and 9,999,999 without any blanks.

7.2.25 **PEAK CO SEASON DAILY PROCESS RATE**

PEAK CO SEASON DAILY PROCESS RATE is the Actual or Estimated Daily Fuel, Process or Solid Waste Operating Rate during the Carbon Monoxide Season (typically December through February).

Attributes: 7 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'PEAK CO SEASON DAILY PROCESS RATE' field found in the AFS Segment General Information screen, enter a 0 - 9999999 **PEAK CO SEASON DAILY PROCESS RATE**.

Batch: Transaction type 40, Sequence #4

In columns 62 - 68, enter a 0 - 9999999 **PEAK CO SEASON DAILY PROCESS RATE**.

Online Error Messages:

PEAK CO SEASON DAILY PROCESS RATE MUST BE NUMERIC - FORMAT 99999999.

PEAK CO SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999.

INVALID PK CO SEAS DAILY PROC RATE - EMBED/LEAD BLANK NOT ALLOW.

PEAK CO SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PEAK CO SEASON DAILY PROCESS RATE MUST BE NUMERIC - FORMAT 9,999,999.

PEAK CO SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999.

TRANSACTION ERROR - INVALID PK CO SEAS DAILY PROC RATE - EMBED/LEAD BLANK NOT ALLOW.

PEAK CO SEASON DAILY PROCESS RATE must be a numeric value between 0 and 9,999,999 without any blanks.

7.2.26 OPTIONAL FUEL PROCESS RATE UNITS

OPTIONAL FUEL PROCESS RATE UNITS is Annual Fuel Process Rate and maximum Operation rate per Hour in units other than the Standard Units Prescribed for an SCC in AP-42 or the AFS SCC Utility Lookup Table.

Attributes: 15 digit code
 Not Required

Coding Instructions:

Online: Screen 340

In the 'OPTIONAL FUEL PROCESS RATE UNITS' field found in the AFS Segment General Information screen, enter up to 15 characters for **OPTIONAL FUEL PROCESS RATE UNITS**. Use of **OPTIONAL FUEL PROCESS RATE UNITS** will preclude the use of System-Generated Emission Calculations, since the System-Generated Emissions uses the Standard Fuel Process Rates associated with a Fuel Process.

Batch: Transaction type 40, Sequence #5

In columns 22 - 61, enter up to 15 characters for **OPTIONAL FUEL PROCESS RATE UNITS**. Use of **OPTIONAL FUEL PROCESS RATE UNITS** will preclude the use of System-Generated Emission Calculations, since the System-Generated Emissions use the Standard Fuel Process Rates associated with a Fuel Process.

Online Error Messages:

OPTIONAL FUEL PROCESS RATE MUST BE BLANK IF SEG HAS PLLT/WMC 8 OR 9.

OPTION FUEL PROCESS RATE UNITS must be left blank if the Segment has a Pollutant with a method code of 8 or 9.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - OPTIONAL FUEL PROCESS RATE MUST BE BLANK IF SEG HAS PLLT/WMC 8 OR 9.

OPTION FUEL PROCESS RATE UNITS must be left blank if the Segment has a Pollutant with a method code of 8 or 9.

7.3 Update AFS Segment Pollutant

Update Segment Pollutant contains data about specific pollutants submitted at the segment. In conjunction with the process data described in segment general, segment pollutant data codes used to calculate emissions for the pollutants based on its process. Segment pollutant emissions are the source of all aggregated emissions values in AFS and are "bubble-up" to the point, stack (when associated to a segment) and plant.

7.3.1 Common Data Fields

The data fields **SEGMENT NUMBER** and **POLLUTANT CODE** serve as the common data element to all related AFS Segment Pollutant records and therefore should be referenced in all batch update transactions.

7.3.1.1 SEGMENT NUMBER

SEGMENT NUMBER a number used to designate an operation that causes air pollutant emissions, and which is associated with a point within the plant. Up to 99 segments may be associated with each emissions or merged point.

Attributes: 2 digit code
Required

Coding Instructions:

By entering an input value of 99, the system will generate the next available segment number for a point within a plant.

Online: Screen 340

In the 'SEGMENT NUMBER' field found in the AFS Segment Information screen, enter a 01 - 99 **SEGMENT NUMBER**. Valid values are numeric values between 1 and 99.

Batch: Transaction type 40, Sequence #1-5

In columns 20-21, enter a 01 - 99 for **SEGMENT NUMBER**.

Online Error Messages:

SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR -SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

TRANSACTION ERROR - INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

TRANSACTION ERROR - SEGMENT IS ALREADY ASSOCIATED WITH A STACK.

SEGMENT NUMBER can not be associated with more than one stack.

7.3.1.2 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant level for compliance and measured against air quality criteria designated by the air program. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 341

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table, or enter a "?" in the **POLLUTANT CODE** element to activate the AFS Help utility.

Batch: Transaction type 41, Sequence #1-3

In columns 22-30, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table. Code values can be obtained or viewed through the Geocommon Browse utility.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must be from the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS
REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS)
NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the Geocommon Parameter Table.

7.3.1.3 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 341

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table. Valid values are available through the Geocommon Browse utility, or by placing "?" in the first character of the online data field.

Batch: Transaction type 41, Sequence #1-3

In columns 22-30, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS
REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or
POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon
Parameter Table.

7.3.2 EMISSIONS TYPE

EMISSIONS TYPE describes the type of emissions being tracked at a facility.

Attributes: 4 character code
Required

Coding Instructions:

Online: Screen 341

In the column provided with the heading **EMISSIONS TYPE** enter a valid emission type code from the list provided below. Entering a question mark as the first character of the field activates the HELP utility, which will provide the combination of types valid for the facility being updated.

Batch: Transaction type 41, Sequence #1

In columns 31-34, enter a valid 4 character value for **EMISSIONS TYPE INDICATOR** from the list below.

ACTU	-	Actual Uncontrolled
ALLW	-	Allowable
BANK	-	Annual Banked
CODA	-	Peak CO Season Daily without rule effectiveness
CODW	-	Peak CO Season Daily with rule effectiveness
ESTI	-	Estimated without rule effectiveness
ESTW	-	Estimated with rule effectiveness
LIME	-	Emission Limitation
MEAS	-	Measured
O3DA	-	Peak Ozone Season Daily without rule effectiveness
O3DW	-	Peak Ozone Season Daily with rule effectiveness
POTC	-	Potential Controlled
POTU	-	Potential Uncontrolled

Online Error Messages:

AT LEAST 1 TYPE OF EMISSIONS AND RELATED INFORMATION IS REQUIRED.

EMISSIONS TYPE INDICATOR must be filled in with a valid code as listed above, along with the Value and Units code, and method code (where applicable) for the Emissions Type. Only supply the Emissions Type Indicator, and Method Code when requesting system calculated emissions.

EMISSIONS TYPE INDICATOR IS REQUIRED.

EMISSIONS TYPE INDICATOR is a mandatory field.

INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE INDICATOR must be a valid value as listed above.

EITHER ESTW OR ESTI EMISSIONS ARE REQUIRED.

EITHER ESTIMATED EMISSIONS VALUES WITH OR WITHOUT RULE EFFECTIVENESS is required in one of the following scenarios: Neither emissions type has been supplied and the facility does not have plant level emissions (on the Plant Pollutant record) for the pollutant being addressed or; Neither emissions type have been supplied and the facility has both ESTI and ESTW plant level emissions for the pollutant being addressed.

ESTW EMISSIONS ARE REQUIRED.

ESTIMATED EMISSIONS WITH RULE EFFECTIVENESS is required in the following scenario: ESTW emissions have not been supplied and the facility has only Estimated with rule effectiveness (ESTW) plant level emissions for the pollutant being addressed.

ESTI EMISSIONS ARE REQUIRED.

ESTIMATED EMISSIONS WITHOUT RULE EFFECTIVENESS is required in the following scenario: ESTI emissions have not been supplied and the facility has only Estimated without rule effectiveness (ESTI) plant level emissions for the pollutant being addressed.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST 1 TYPE OF EMISSIONS AND RELATED INFORMATION IS REQUIRED.

EMISSIONS TYPE INDICATOR must be filled in with a valid code as listed above and the Value, Decimal, Unit code and method code (where applicable) for that Emissions Type must be filled in. Only supply the Emissions Type Indicator, and Method Code when requesting system calculated emissions.

TRANSACTION ERROR - EMISSIONS INFORMATION NOT AVAILABLE TO CDS PLANTS.

EMISSIONS TYPE INDICATOR was entered for a CDS plant. CDS plants can not have emission information. If compliance and emissions information exists, the plant must be marked as a "MERGED" plant.

TRANSACTION ERROR - EMISSIONS TYPE INDICATOR IS REQUIRED.

EMISSIONS TYPE INDICATOR is a mandatory field.

TRANSACTION ERROR - INVALID EMISSIONS TYPE INDICATOR.

EMISSIONS TYPE INDICATOR must be a valid value as listed above.

EITHER ESTW OR ESTI EMISSIONS ARE REQUIRED.

EITHER ESTIMATED EMISSIONS VALUES WITH OR WITHOUT RULE EFFECTIVENESS is required in one of the following scenarios: Neither emissions type has been supplied and the facility does not have plant level emissions (on the Plant Pollutant record) for the pollutant being addressed or; Neither emissions type have been supplied and the facility has both ESTI and ESTW plant level emissions for the pollutant being addressed.

ESTW EMISSIONS ARE REQUIRED.

ESTIMATED EMISSIONS WITH RULE EFFECTIVENESS is required in the following scenario: ESTW emissions have not been supplied and the facility has only Estimated with rule effectiveness (ESTW) plant level emissions for the pollutant being addressed.

ESTI EMISSIONS ARE REQUIRED.

ESTIMATED EMISSIONS WITHOUT RULE EFFECTIVENESS is required in the following scenario: ESTI emissions have not been supplied and the facility has only Estimated without rule effectiveness (ESTI) plant level emissions for the pollutant being addressed.

7.3.3 EMISSIONS

EMISSIONS is the value, used in conjunction with the Decimal position, which has been estimated or calculated to represent the amount of emissions for a given pollutant as a result of a process defined for a segment.

Attributes: 7 digits (batch); 8 digits including a decimal point (online)
Required for each **EMISSIONS TYPE** entered.

Coding Instructions:

Estimated Emissions Values can be input directly by key users after a calculation is made externally to AFS. The method of calculation is indicated in the estimated emission method code. AFS will calculate estimated emissions using user supplied variables and AP-42 emission factors (or user-supplied emission factors) when the appropriate method code is input. The formula used when AFS performs the calculation is:

$$EE = \frac{PR * EE * FP}{\text{Pounds per ton}} * \frac{1 - \frac{CE}{100}}{100} * \frac{RE}{100}$$

WHERE:

EE = estimated emissions

PR = annual fuel process rate

EF = emissions factor

FP = fuel parameter

CE = control equipment efficiency percent

RE = rule effectiveness percent

Segment estimated emissions are aggregated in AFS and automatically displayed at the point, stack (when segments are associated to a stack) and plant levels. Segment values which are entered in hourly units are aggregated at an assumed 24 hour operation schedule. This must be considered when entering the hourly values in order to ensure aggregations equal expected point, stack and plant values.

Online: Screen 341

In the 'EMISSIONS VALUE' column found on the AFS Segment Pollutant Information screen, enter an **EMISSIONS VALUE** ranging from 0 - 9999999. Enter the decimal character '.' in the appropriate position in the emissions value.

Batch: Transaction type 41, Sequence #1

In columns 35-41, enter 0 - 9999999.

Online Error Messages:

XXXXXXXXXXXXXXXXXXXXX INFO. IS ONLY PARTIALLY COMPLETED.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

EMISSIONS VALUE must be entered with its Emissions Type, Units and method code (where applicable). Only supply the Emissions Type Indicator and Method Code when requesting system calculated emissions.

XXXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

EMISSIONS VALUE must be a numeric. Emissions Value supports a floating decimal.

INVALID XXXXXXXXXXXXXXXX EMISSIONS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

The EMISSION VALUE must be entered left justified. Blanks may not precede the value or be within the value.

ESTIMATED EMISSIONS MUST BE LESS THAN OR = TO 800,000 TONS/YEAR.

ESTIMATED EMISSIONS VALUE must be less than or equal to 800,000 Tons per Year.

ESTIMATED EMISSIONS MUST BE 0000000 WITH METHOD CODE 6 OR 7.

ESTIMATED EMISSIONS VALUE must be a value of 0000000 when the Method Code is 6 or 7.

ESTIMATED EMISSIONS MUST BE ENTERED FOR ANNUAL BANKED EMISSIONS.

ESTIMATED EMISSIONS VALUE must be entered for Annual Banked Emissions.

EST EMISSIONS MUST BE ENTERED FOR EMISSION LIMITATION EMISSIONS.

ESTIMATED EMISSIONS VALUE must be entered for Emission Limitation Emissions.

EST EMISSIONS MUST BE ENTERED FOR EMISSION LIMITATION DESCRIPTION.

ESTIMATED EMISSIONS VALUE must be entered for Emissions Limitation Description.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - XXXXXXXXXXXXXXXXXXXX EMISSIONS INFO. IS ONLY PARTIALLY COMPLETED.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

EMISSIONS VALUE must be entered with its Decimal, and Value code entered in as well.

TRANSACTION ERROR - XXXXXXXXXXXXXXXXXXXX EMISSIONS MUST BE NUMERIC.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

EMISSIONS VALUE must be a numeric 7 digit character.

TRANSACTION ERROR - INVALID XXXXXXXXXXXXXXXX EMISSIONS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

(Where XXXXXXXXXXXXXXXX is the descriptive text or **EMISSIONS TYPE** code identifying the specific type of emissions.)

The EMISSION VALUE must be a numeric 7 digit character without any blanks.

TRANSACTION ERROR - ESTIMATED EMISSIONS MUST BE LESS THAN OR = TO 800,000 TONS/YEAR.

ESTIMATED EMISSIONS VALUE must be less than or equal to 800,000 Tons per Year.

TRANSACTION ERROR - ESTIMATED EMISSIONS MUST BE 0000000 WITH METHOD CODE 6 OR 7.

ESTIMATED EMISSIONS VALUE must be a value of 0000000 when the Method Code is 6 or 7.

TRANSACTION ERROR - EITHER ESTI OR MEAS EMIS AND RELATED INFO. IS REQUIRED.

ESTIMATED EMISSIONS VALUE or Measured Emissions Value is required.

7.3.4 DECIMAL POSITION

EMISSIONS VALUE DECIMAL POSITION identifies the location of the decimal point in an emissions value by indicating how many places are to the right of the decimal.

Attributes: 1 digit
Required (If other Emissions Data entered.)

Coding Instructions:

Online: Screen 341

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 41, Sequence #1

In column 42, enter a 0 - 7 **DECIMAL POSITION**

Online Error Messages:

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSION TYPE, such as ESTI.)

Emission values may contain only one decimal point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DECIMAL MUST BE NUMERIC BETWEEN 0 AND 7.

DECIMAL POSITION must be a numeric digit between 0 and 7.

TRANSACTION ERROR - DECIMAL POSITION MUST BE 0 WITH METHOD CODE 6 OR 7.

EMISSIONS VALUE DECIMAL POSITION for Estimated Emissions must be a 0 when the Method Code is 6 or 7.

7.3.5 **UNITS**

A two-character code identifying the units associated with an Emissions Value. Typically, this is expressed as a time/weight identifier. Valid codes may vary by emission type.

Attributes: 2 character code
 Required (When emissions data values are entered.)

Coding Instructions:

Online: Screen 341

In the column labeled 'UNIT' found in the AFS Segment Pollutant Information screen, enter a **UNITS** code from the list below.

Batch: Transaction type 41, Sequence #1

In columns 43-44, enter a **UNITS** code from the list below.

ACTUAL UNCONTROLLED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR

CO SIP DAILY WITH RULE EFFECTIVENESS:

PD - POUNDS/DAY
TD - TONS/DAY

ANNUAL BANKED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR

ALLOWABLE:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DRY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS
08 - POUNDS PER TON OF FEED MATERIAL
09 - POUNDS PER TON OF PRODUCT
10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
11 - POUNDS PER MEGAWATT-HOUR
12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
13 - PERCENT REDUCTION IN EMISSIONS
14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
16 - MILLIGRAMS PER LITER OF LIQUID LOADED
17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED
CO SIP DAILY WITH RULE EFFECTIVENESS:
PD - POUNDS/DAY
TD - TONS/DAY

CO SIP DAILY WITHOUT RULE EFFECTIVENESS:

PD - POUNDS/DAY

TD - TONS/DAY

EMISSION LIMITATION:

PD - POUNDS/DAY

PH - POUNDS/HOUR

PM - POUNDS/MONTH

PY - POUNDS/YEAR

TD - TONS/DAY

TH - TONS/HOUR

TM - TONS/MONTH

TY - TONS/YEAR

01 - POUNDS PER 1,000,000 BTU HEAT INPUT

02 - GRAINS PER STANDARD CUBIC FOOT, DAY

03 - MICROGRAMS PER STANDARD CUBIC METER, DRY

04 - PARTS PER MILLION DRY GAS VOLUME

05 - PERCENT BY VOLUME

06 - PERCENT OPACITY

07 - PERCENT BY VOLUME ON A DRY BASIS

08 - POUNDS PER TON OF FEED MATERIAL

09 - POUNDS PER TON OF PRODUCT

10 - POUNDS PER HOUR PER TON OF MATERIAL STORED

11 - POUNDS PER MEGAWATT-HOUR

12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED

13 - PERCENT REDUCTION IN EMISSIONS

14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED

15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS

16 - MILLIGRAMS PER LITER OF LIQUID LOADED

17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS

18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

ESTIMATED WITH RULE EFFECTIVENESS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR

ESTIMATED WITHOUT RULE EFFECTIVENESS:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR

MEASURED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DRY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS
08 - POUNDS PER TON OF FEED MATERIAL
09 - POUNDS PER TON OF PRODUCT
10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
11 - POUNDS PER MEGAWATT-HOUR
12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
13 - PERCENT REDUCTION IN EMISSIONS
14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
16 - MILLIGRAMS PER LITER OF LIQUID LOADED
17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED

OZONE SIP DAILY WITH RULE EFFECTIVENESS:

PD - POUNDS/DAY
TD - TONS/DAY

OZONE SIP DAILY WITHOUT RULE EFFECTIVENESS:

PD - POUNDS/DAY
TD - TONS/DAY

POTENTIAL CONTROLLED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR

POTENTIAL UNCONTROLLED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR

PROJECTED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR

PROJECTED EMISSION LIMITATION:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR
01 - POUNDS PER 1,000,000 BTU HEAT INPUT
02 - GRAINS PER STANDARD CUBIC FOOT, DAY
03 - MICROGRAMS PER STANDARD CUBIC METER, DRY
04 - PARTS PER MILLION DRY GAS VOLUME
05 - PERCENT BY VOLUME
06 - PERCENT OPACITY
07 - PERCENT BY VOLUME ON A DRY BASIS
08 - POUNDS PER TON OF FEED MATERIAL
09 - POUNDS PER TON OF PRODUCT
10 - POUNDS PER HOUR PER TON OF MATERIAL STORED
11 - POUNDS PER MEGAWATT-HOUR
12 - PERCENT OF TOTAL MASS OF VOC SOLVENT PLUS WATER USED
13 - PERCENT REDUCTION IN EMISSIONS
14 - KILOGRAMS PER KILOGRAM OF COATING SOLIDS APPLIED
15 - KILOGRAMS PER LITER OF APPLIED COATING SOLIDS
16 - MILLIGRAMS PER LITER OF LIQUID LOADED
17 - KILOGRAMS PER KILOGRAM OF INK SOLIDS
18 - KILOGRAMS PER MEGAGRAM OF SOLVENT FEED.

STATE-DEFINED:

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PW - POUNDS/WEEK
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TW - TONS/WEEK
TY - TONS/YEAR

FOR PLANT, STACK AND POINT ESTIMATED EMISSION UNITS, AFS AUTOMATICALLY CONVERTS SEQUENT ESTIMATED EMISSION UNITS TO TONS PER YEAR UNLESS THE CONVERSION WOULD RESULT IN THE LOSS OF A SIGNIFICANT DECIMAL PLACE. FOR THOSE INSTANCES, THE CONVERSION IS TO EITHER POUNDS PER YEAR OR POUNDS PER HOUR, WHICHEVER PROVIDES FOR THE INCLUSION OF ALL SIGNIFICANT DECIMAL POSITIONS.

Online Error Messages:

INVALID XXXXXXXXXXXXXXXXXXXX EMISSIONS UNITS.

(Where XXXXXXXXXXXXXXXXXXXX represents the descriptive text or emissions type code defining the type of emissions which errored.)

UNITS code must be a valid code as listed above.

EST. EMIS. UNITS CODE MUST BE 0 WITH METHOD CODE 6 OR 7.

ESTIMATED EMISSIONS UNITS CODE must be a value of 0 when the Method Code is 6 or 7.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID XXXXXXXXXXXXXXXXXXXX EMISSIONS UNITS.

(Where XXXXXXXXXXXXXXXXXXXX represents the descriptive text or emissions type code defining the type of emissions which errored.)

UNITS code must be a valid code as listed above.

TRANSACTION ERROR - EST. EMIS. UNITS CODE MUST BE 0 WITH METHOD CODE 6 OR 7.

ESTIMATED EMISSIONS UNITS CODE must be a value of 0 when the Method Code is 6 or 7.

7.3.6 EMISSIONS METHOD CODE

EMISSIONS METHOD CODE is a two-character code identifying the method used to determine Emissions.

Attributes: 1 digit code
Required for emission types identified below

Coding Instructions:

Online: Screen 341

In the column labeled 'METHOD CODE' found in the AFS Segment Pollutant Information screen, enter an **EMISSIONS METHOD CODE** from the list below.

Batch: Transaction type 41, Sequence #1

In columns 45, enter a **METHOD CODE** from the list below.

CO SIP DAILY WITH RULE EFFECTIVENESS:
CO SIP DAILY WITHOUT RULE EFFECTIVENESS:
ESTIMATED EMISSIONS WITH RULE EFFECTIVENESS:
ESTIMATED EMISSIONS WITHOUT RULE EFFECTIVENESS:
OZONE SIP DAILY WITH RULE EFFECTIVENESS:
OZONE SIP DAILY WITHOUT RULE EFFECTIVENESS:

- 1 - EMISSIONS USER-CALCULATED BASED ON SOURCE TEST OR OTHER EMISSIONS MEASUREMENTS.
- 2 - EMISSIONS USER-CALCULATED BASED ON MATERIAL BALANCE USING ENGINEERING KNOWLEDGE OF THE PROCESS.
- 3 - EMISSIONS USER-CALCULATED BASED ON AP-42 EMISSION FACTOR.
- 4 - EMISSIONS USER-CALCULATED BY BEST GUESS/ENGINEERING JUDGEMENT.
- 5 - EMISSIONS USER-CALCULATED BASED ON A STATE OR LOCAL AGENCY EMISSION FACTOR.
- 6 - NEW CONSTRUCTION, NOT YET OPERATIONAL. EMISSIONS ARE ZERO.
- 7 - SOURCE CLOSED; OPERATION CEASED. EMISSIONS ARE ZERO.
- 8 - EMISSIONS COMPUTER-CALCULATED BASED ON STANDARD EMISSION FACTOR.
- 9 - EMISSIONS COMPUTER-CALCULATED BASED ON USER-SUPPLIED EMISSION FACTOR.

ACTUAL UNCONTROLLED:

- 1 - EMISSIONS COMPUTER-CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 2 - EMISSIONS USER-CALCULATED BASED ON AVAILABLE ACTUAL EMISSIONS THAT HAVE BEEN ESTIMATED OR CALCULATED IN THE STATE EMISSIONS INVENTORY.
- 3 - EMISSIONS ESTIMATED BECAUSE NO EMISSIONS DATA AVAILABLE.

MEASURED:

- 1 - U.S. EPA REFERENCE METHOD
- 2 - OTHER PARTICULATE SAMPLING TRAIN
- 3 - LIQUID ABSORPTION TECHNIQUE
- 4 - SOLID ABSORPTION TECHNIQUE
- 5 - FREEZING-OUT TECHNIQUE
- 6 - GRAB SAMPLING (INTERMITTENT) TECHNIQUE
- 9 - OTHER, SPECIFY IN COMMENT

NOTE: FOR THE SUBMITTAL OF NEDS TRANSACTION TYPES, AFS GENERATES THE FOLLOWING ESTIMATED EMISSIONS METHOD CODES:

- A - EMISSIONS COMPUTER-CALCULATED BASED ON APPORTIONMENT OF NEDS POINT LEVEL EMISSIONS ESTIMATES TO THE SEGMENT LEVEL BY RATIO OF COMPUTER-CALCULATED EMISSIONS BASED ON STANDARD EMISSION FACTORS IN THE AF-GEO-EMISSIONS-TABLE MAINTAINED IN THE GEO-COMMON SUBSYSTEM.
- B - EMISSIONS COMPUTER-CALCULATED BASED ON APPORTIONMENT OF NEDS POINT LEVEL EMISSIONS ESTIMATES TO THE SEGMENT LEVEL BY A DEFAULT PROCEDURE. INSUFFICIENT DATA WERE AVAILABLE TO PERMIT USE OF METHOD A.

Online Error Messages:

INVALID XXXXXXXXXXXXXXXXXXXX METHOD CODE.

(Where XXXXXXXXXXXXXXXXXXXX represents the descriptive text or emissions type code.)

METHOD CODE must be a valid code as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID XXXXXXXXXXXXXXXXXXXX METHOD CODE.

(Where XXXXXXXXXXXXXXXXXXXX represents the descriptive text or emissions type code.)

METHOD CODE must be a valid code as listed above.

7.3.7 PRIMARY CONTROL EQUIPMENT

PRIMARY CONTROL EQUIPMENT is the principal control equipment device that reduces Uncontrolled Emissions.

Attributes: 3 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the "PRIMARY CONTROL EQUIPMENT" field found in the AFS Segment Pollutant Information screen, enter a **PRIMARY CONTROL EQUIPMENT** from the AFS Description Table. Valid values can be obtained through the AFS Table Lookup Utility, or by entering a "?" as the first character of the element to invoke the Help utility.

Batch: Transaction type 41, Sequence #2

In columns 31-33, enter a valid **PRIMARY CONTROL EQUIPMENT** from the AFS Description Table. Valid values can be obtained through the AFS Table Lookup Utility.

Online Error Messages:

INVALID PRIMARY CONTROL EQUIPMENT

PRIMARY CONTROL EQUIPMENT must be a valid value from the AFS Description table.

PRIMARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PRIMARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

CONTROL EQUIPMENT CANNOT BE ENTERED WITHOUT EMISSION ESTIMATE.

For NEDS format transactions translated to AFS format, a **CONTROL EQUIPMENT** code may not be entered unless an emissions estimate has also been provided.

INVALID PRIMARY CONTROL EQUIPMENT XXX.

(Where XX represents the pollutant the pollutant record exists for.)

The **PRIMARY CONTROL EQUIPMENT** code entered is not valid for the pollutant type.

PRIMARY CNTRL EQUIP IS REQUIRED FOR CNTRL EQUIP EFFIC CALCULATION

When a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' has been entered (requesting an AFS calculation of the **CONTROL EQUIPMENT EFFICIENCY PERCENT**, a **PRIMARY CONTROL EQUIPMENT** must be provided.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PRIMARY CONTROL EQUIPMENT

PRIMARY CONTROL EQUIPMENT must be a valid value as listed above.

TRANSACTION ERROR - PRIMARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PRIMARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

TRANSACTION ERROR - CONTROL EQUIPMENT CANNOT BE ENTERED WITHOUT EMISSION ESTIMATE.

For NEDS format transactions translated to AFS format, a **CONTROL EQUIPMENT** code may not be entered unless an emissions estimate has also been provided.

TRANSACTION ERROR - INVALID PRIMARY CONTROL EQUIPMENT XXX.
(Where XX represents the pollutant the pollutant record exists for.)

The **PRIMARY CONTROL EQUIPMENT** code entered is not valid for the pollutant type.

TRANSACTION ERROR - PRIMARY CNTRL EQUIP IS REQUIRED FOR CNTRL EQUIP EFFIC CALCULATION

When a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' has been entered (requesting an AFS calculation of the **CONTROL EQUIPMENT EFFICIENCY PERCENT**, a **PRIMARY CONTROL EQUIPMENT** must be provided.

7.3.8 SECONDARY CONTROL EQUIPMENT

SECONDARY CONTROL EQUIPMENT is the ancillary control equipment device that reduces Uncontrolled Emissions.

Attributes: 3 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the "SECONDARY CONTROL EQUIPMENT" field found in the AFS Segment Pollutant Information screen, enter a **SECONDARY CONTROL EQUIPMENT** from the AFS Description Table. Valid values can be obtained through the AFS Table Lookup Utility, or by entering a "?" as the first character of the element to invoke the Help utility.

Batch: Transaction type 41, Sequence #2

In columns 34-36, enter a **SECONDARY CONTROL EQUIPMENT** from the AFS Description Table. Valid values can be obtained through the AFS Table Lookup Utility.

Online Error Messages:

INVALID **SECONDARY CONTROL EQUIPMENT**.

SECONDARY CONTROL EQUIPMENT must be a valid value from the AFS Description table.

INVALID SECONDARY CONTROL EQUIPMENT XXX

(Where XX represents the pollutant the pollutant record exists for.)

The **CONTROL EQUIPMENT** code entered is not valid for the pollutant type.

Batch Transaction Report Error Messages:

7.3.9 CONTROL EQUIPMENT EFFICIENCY

CONTROL EQUIPMENT EFFICIENCY is the overall Collection Efficiency in weight percentage, based on weight, for all Control Equipment applicable to Pollutants at the Segment Level.

Attributes: 2.3 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'CONTROL EQUIPMENT EFFICIENCY' field found in the AFS Segment Pollutant Information screen, enter a **CONTROL EQUIPMENT EFFICIENCY** of .001 - 99.999.

Batch: Transaction type 41, Sequence #1

In columns 37 - 41, enter a **CONTROL EQUIPMENT EFFICIENCY** of .001 - 99.999.

Online Error Messages:

CONTROL EQUIPMENT EFFICIENCY % MUST BE NUMERIC - FORMAT 99.99.

CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999.

CNTRL EQMT EFF. (%) REQUIRED WHEN CNTRL EQMT EFF. METHOD ENTERED.

CONTROL EQUIPMENT EFFICIENCY must be entered when Control equipment efficiency Method Code has been entered.

INVALID CONTROL EQMT EFF. % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999 without any blanks.

CTRL EQMT EFFICIENCY % REQUIRED IF PRIMARY CONTROL EQMT ENTERED.

If a **PRIMARY CONTROL EQUIPMENT** value was entered and the **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** is not 'C', then a value must be provided for the **CONTROL EQUIPMENT EFFICIENCY** as well.

CANNOT CHANGE THE CONTROL EQUIPMENT EFFICIENCY WHEN THE MC=S OR G

A **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' exists, which indicates that AFS has calculated the **CONTROL EQUIPMENT EFFICIENCY** value. This cannot be changed unless the method code is changed also.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTROL EQMT EFF. % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999 without any blanks.

TRANSACTION ERROR - CNTRL EQMT EFF. (%) REQUIRED WHEN CNTRL EQMT EFF. METHOD ENTERED.

CONTROL EQUIPMENT EFFICIENCY must be entered when Control equipment efficiency Method Code has been entered.

TRANSACTION ERROR - CTRL EQMT EFFICIENCY % REQUIRED IF PRIMARY CONTROL EQMT ENTERED.

If a **PRIMARY CONTROL EQUIPMENT** value was entered and the **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** is not 'C', then a value must be provided for the **CONTROL EQUIPMENT EFFICIENCY** as well.

TRANSACTION ERROR - CANNOT CHANGE THE CONTROL EQUIPMENT EFFICIENCY WHEN THE MC=S OR G

A **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' exists, which indicates that AFS has calculated the **CONTROL EQUIPMENT EFFICIENCY** value. This cannot be changed unless the method code is changed also.

7.3.10 CONTROL EQUIPMENT EFFICIENCY METHOD CODE

CONTROL EQUIPMENT EFFICIENCY METHOD CODE is a one-character code indicating the method used in estimating Control Efficiency.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'CONTROL EQUIPMENT EFFICIENCY METHOD CODE' field found in the AFS Segment Pollutant Information Screen, enter a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** from the list below.

Batch: Type 41, Sequence #2

In column 42, enter a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** from the list below.

- 1 - TESTED EFFICIENCY, BASED ON EPA REFERENCE METHOD.
- 2 - TESTED EFFICIENCY, BASED ON OTHER SOURCE TEST METHOD.
- 3 - DESIGN VALUE FROM MANUFACTURER.
- 4 - ENGINEERING ESTIMATE (GUESS.)
- 5 - CALCULATED, BASED ON MATERIAL BALANCE.
- 6 - ESTIMATED, BASED ON PUBLISHED VALUE.
- 8 - COMPUTER-GENERATED DEFAULT VALUE.
- 9 - OTHER, DESCRIBE IN COMMENT.
- C - AFS CALCULATED
- G - AFS CALCULATED, BASED ON GENERIC ALGORITHM
- S - AFS CALCULATED, SCC SPECIFIC

USE OF THE 'C' CODE (VALID FOR POLLUTANT PM10 ONLY,) WILL AUTOMATICALLY TRIGGER A CALCULATION IN AFS WHEN ALL REQUIRED PARAMETERS ARE PRESENT.

THIS CALCULATION IS FIRST ATTEMPTED BASED ON A COMBINATION OF THE SCC, POLLUTANT CODE , AND PRIMARY AND SECONDARY CONTROL EQUIPMENT DATA AVAILABLE. THIS WOULD RESULT IN THE STORING OF THE CODE 'S' AS THE CONTROL EQUIPMENT EFFICIENCY METHOD CODE. IF NO MATCH IS FOUND FOR THE COMBINATION, AFS WILL THEN CALCULATE THE VALUE BASED ON A GENERIC ALGORITHM. THIS WOULD

RESULT IN THE STORING OF A METHOD CODE OF 'G'.

IF NOT ALL PARAMETERS ARE AVAILABLE, AN ERROR MESSAGE WILL BE GENERATED INDICATING WHAT DATA MUST BE PROVIDED.

Online Error Messages:

INVALID CONTROL EQUIPMENT EFFICIENCY METHOD CODE.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be a valid code as listed above.

CNTRL EQMT EFF. METHOD REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be entered when Control equipment efficiency percent entered, unless the user requested an AFS calculation by entering 'C' as the method code.

POLLUTANT MUST BE PM10 FOR CONTROL EQUIP EFFIC. CALCULATION

PM10 is the only valid pollutant for which AFS can calculate **CONTROL EQUIPMENT EFFICIENCY**.

CONTROL EQUIPMENT EFFIC MUST NOT BE ENTERED FOR CALC WITH MC 'C'.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE 'C' indicates AFS should calculate the **CONTROL EQUIPMENT EFFICIENCY** value, in which case the efficiency value cannot be valued by the user.

PRIMARY CNTRL EQUIP IS REQUIRED FOR CNTRL EQUIP EFFIC CALCULATION

The user has requested that AFS calculate the **CONTROL EQUIPMENT EFFICIENCY**, but the primary control equipment has not been identified.

THIS SCC IS NOT VALID FOR PLLT SEGMENT CNTRL EQ EFF CALCULATION.

The SCC specified does not exist on the Geocommon SCC/Control Efficiency Table or the Geocommon Particle Size Table, but a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' was entered.

CNTRL EFFIC DATA NOT PRESENT FOR PLLT/CNTRL/PARTICLE SIZE COMBO.

The Geocommon Particle Size Table does not carry the combination of input pollutant, control equipment, and particle size values provided.

METHOD CODES 'S' AND/OR 'G' ARE NOT VALID FOR USER INPUT

The only valid **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** for requesting an AFS PM10 control equipment efficiency percent calculation, is 'C'. AFS will replace this code with the 'S' or 'G' if it can successfully complete the calculation.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTROL EQUIPMENT EFFICIENCY METHOD CODE.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be a valid code as listed above.

TRANSACTION ERROR - CNTRL EQMT EFF. METHOD REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be entered when Control equipment efficiency percent entered, unless the user requested an AFS calculation by entering a 'C' as the method code.

TRANSACTION ERROR - POLLUTANT MUST BE PM10 FOR CONTROL EQUIP EFFIC. CALCULATION

PM10 is the only valid pollutant for which AFS can calculate **CONTROL EQUIPMENT EFFICIENCY**.

TRANSACTION ERROR - CONTROL EQUIPMENT EFFIC MUST NOT BE ENTERED FOR CALC WITH MC 'C'.

CONTROL EQUIPMENT EFFICIENCY METHOD CODE 'C' indicates AFS should calculate the **CONTROL EQUIPMENT EFFICIENCY** value, in which case the efficiency value cannot be valued by the user.

TRANSACTION ERROR - PRIMARY CNTRL EQUIP IS REQUIRED FOR CNTRL EQUIP EFFIC CALCULATION

The user has requested that AFS calculate the **CONTROL EQUIPMENT EFFICIENCY**, but the primary control equipment has not been identified.

TRANSACTION ERROR - THIS SCC IS NOT VALID FOR PLLT SEGMENT CNTRL EQ EFF CALCULATION.

The SCC specified does not exist on the Geocommon SCC/Control Efficiency Table or the Geocommon Particle Size Table, but a **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** of 'C' was entered.

TRANSACTION ERROR - CNTRL EFFIC DATA NOT PRESENT FOR PLLT/CNTRL/PARTICLE SIZE COMBO.

The Geocommon Particle Size Table does not carry the combination of input pollutant, control equipment, and particle size values provided.

TRANSACTION ERROR - METHOD CODES 'S' AND/OR 'G' ARE NOT VALID FOR USER INPUT

The only valid **CONTROL EQUIPMENT EFFICIENCY METHOD CODE** for requesting an AFS PM10 control equipment efficiency percent calculation, is 'C'. AFS will replace this code with the 'S' or 'G' if it can successfully complete the calculation.

7.3.11 TRACE ELEMENT PERCENT

TRACE ELEMENT PERCENT is the Annual Average Percentage of a Trace Element of Compound found in a Fuel, based on weight.

Attributes: 2.7 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the 'TRACE ELEMENT PERCENT' field found in the AFS Segment Pollutant Information screen, enter a **TRACE ELEMENT PERCENT** of 0 - 99.9999999.

Batch: Transaction type 41, Sequence #2

In columns 43 - 51, enter a **TRACE ELEMENT PERCENT** of 0 - 99.9999999.

Online Error Messages:

TRACE ELEMENT PERCENT MUST BE NUMERIC - FORMAT 99.9999999.

TRACE ELEMENT PERCENT must be a numeric value between 0 and 99.9999999.

INVALID TRACE ELEMENT % - EMBEDD/LEADING BLANKS NOT ALLOWED.

TRACE ELEMENT PERCENT must be a numeric value between 0 and 99.9999999 without any blanks.

TRACE ELEMENT % IS REQ FOR CALC WHEN A/S/T CODE = T ON EMIS FACT TABLE.

When the Ash Sulfur Trace Code = 'T', the **TRACE ELEMENT PERCENT** must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - TRACE ELEMENT PERCENT MUST BE NUMERIC - FORMAT 99.9999999.

TRACE ELEMENT PERCENT must be a numeric value between 0 and 99.9999999.

TRANSACTION ERROR - INVALID TRACE ELEMENT % - EMBEDD/LEADING BLANKS NOT ALLOWED.

TRACE ELEMENT PERCENT must be a numeric value between 0 and 99.9999999 without any blanks.

TRANSACTION ERROR - TRACE ELEMENT % IS REQ FOR CALC WHEN A/S/T CODE = T ON EMIS FACT TABLE.

When the Ash Sulfur Trace Code = 'T', the **TRACE ELEMENT PERCENT** must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

7.3.12 TRACE ELEMENT METHOD CODE

TRACE ELEMENT METHOD CODE is the code indicating the Estimation Method used to ascertain a Trace Element Percent.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'TRACE ELEMENT METHOD CODE' field found in the AFS Segment Pollutant Information screen, enter a **TRACE ELEMENT METHOD CODES** from the list below.

Batch: Transaction type 41, Sequence #2

In column 52, enter a **TRACE ELEMENT METHOD CODES** from the list below.

- 1 - GENERATED FROM CHEMICAL ANALYSIS OF FEED MATERIAL
- 2 - SPECIFIED BY FUEL SUPPLIER
- 3 - ENGINEERING ESTIMATE
- 4 - ESTIMATE BASED ON LITERATURE

Online Error Messages:

INVALID TRACE ELEMENT METHOD CODE.

TRACE ELEMENT METHOD CODE must be a valid code as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID TRACE ELEMENT METHOD CODE.

TRACE ELEMENT METHOD CODE must be a valid code as listed above.

7.3.13 EMISSIONS FACTOR

EMISSIONS FACTOR is an average rate in LBS/SCC Standard Units at which a Pollutant is released into the Atmosphere as a result of some activity. The activity is defined by the EPA-Defined Source Classification Code and represents the Segment Level Pollutant.

Attributes: 6 digit code (batch); 7 digits including a decimal point (online)
Not Required

Coding Instructions:

Online: Screen 341

In the 'EMISSIONS FACTOR' field found in the AFS Segment Pollutant Information screen, enter a **EMISSIONS FACTOR** OF 0 -999999. Enter the decimal character '.' in the appropriate position in the emissions factor value.

Batch: Transaction type 41, Sequence #2

In columns 53 - 58, enter a **EMISSIONS FACTOR** of 0 -999999.

Definitions:

SOURCE CLASSIFICATION CODE (SCC) -

SCC is an eight-character code which represents a unique process or function within a source category logically associated with a point of air pollution emissions. In AFS, any operation that causes air pollution can be represented by one or more of these segments.

Online Error Messages:

EMISSION FACTOR MUST BE NUMERIC.

EMISSION FACTOR must be a numeric value between 0 and 999,999 without any blanks.

EMISSION FACTOR MUST BE ENTERED FOR ESTIMATED EMIS CALCULATIONS.

EMISSIONS FACTOR must be entered in order for calculations of the Estimated Emissions using method code 9.

INVALID EMISSION FACTOR - ONLY ONE DECIMAL POINT ALLOWED.

EMISSION FACTOR may contain only one decimal point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMISSION FACTOR MUST BE NUMERIC.

EMISSION FACTOR must be a numeric value between 0 and 999,999.

TRANSACTION ERROR - INVALID EMISSIONS FACTOR - EMBEDD/LEADING BLANKS NOT ALLOWED.

EMISSIONS FACTOR must be a numeric value between 0 and 999,999 without any blanks.

TRANSACTION ERROR - EMISSION FACTOR MUST BE ENTERED FOR ESTIMATED EMIS CALCULATIONS.

EMISSIONS FACTOR must be entered in order for calculations of the Estimated Emissions with method code 9.

7.3.14 EMISSIONS FACTOR DECIMAL POSITION

EMISSIONS FACTOR DECIMAL POSITION identifies the number of decimal positions from the right associated with an Emission Factor Value.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 41, Sequence #2

In column 59, enter a **EMISSIONS FACTOR DECIMAL POSITION** of 0 - 6.

Online Error Messages:

INVALID EMISSION FACTOR - ONLY ONE DECIMAL POINT ALLOWED.

EMISSION FACTOR may contain only one decimal point.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMISSION FACTOR DECIMAL MUST BE NUMERIC BETWEEN 0 AND 6.

EMISSIONS FACTOR DECIMAL POSITION must be a numeric value between 0 and 6.

TRANSACTION ERROR - DECIMAL REQUIRED WHEN EMISSION FACTOR IS ENTERED.

EMISSIONS FACTOR DECIMAL POSITION must be entered when the Emissions Factor is entered.

7.3.15 EMISSIONS FACTOR ORIGIN

EMISSIONS FACTOR ORIGIN defines the Origin of User-Supplied Emission Factor Information.

Attributes: 7 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the 'EMISSIONS FACTOR ORIGIN' field found in the AFS Segment Pollutant Information screen, enter an **EMISSIONS FACTOR ORIGIN** from the list below.

Batch: Transaction type 41, Sequence #2

In columns 60 - 66, enter an **EMISSIONS FACTOR ORIGIN** from the list below.

FEDERAL
STATE
LOCAL

Online Error Messages:

EMISSION FACTOR ORIGIN MUST BE 'FEDERAL', 'STATE', OR 'LOCAL'.

EMISSIONS FACTOR ORIGIN must be either 'Federal', 'State', or 'Local'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMISSION FACTOR ORIGIN MUST BE 'FEDERAL', 'STATE', OR 'LOCAL'.

EMISSIONS FACTOR ORIGIN must be either 'Federal', 'State', or 'Local'.

7.3.16 EMISSIONS FACTOR SOURCE

EMISSIONS FACTOR SOURCE is a User-Defined Code to specify the Agency Type of the user specifying Emission Factor Information.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'EMISSIONS FACTOR SOURCE' field found in the AFS Segment Pollutant Information screen, enter an **EMISSIONS FACTOR SOURCE**.

Batch: Transaction type 41, Sequence #2

In column 67, enter an **EMISSIONS FACTOR SOURCE**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

7.3.17 ASH/SULFUR/TRACE CODE

ASH/SULFUR/TRACE CODE indicates whether the Segment General Ash, Sulfur, and/or Trace Element Contents are to be used in the calculation of Estimated Emissions, when using a special State Emissions Factor. Input of each code triggers AFS to access the applicable trace code factor from the AFS AP-42 table and to apply the factor in the AFS emissions calculations.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'ASH/SULFUR/TRACE CODE' field found in the AFS Segment Pollutant Information screen, enter an **ASH/SULFUR/TRACE CODE** from the list below.

Batch: Transaction type 41, Sequence #2

In column 68, enter an **ASH/SULFUR/TRACE CODE** from the list below.

A - ASH
S - SULFUR
T - TRACE ELEMENT

Online Error Messages:

ASH SULFUR TRACE CODE MUST BE 'A', 'S', OR 'T'.

ASH/SULFUR/TRACE CODE must be either 'A' for Ash, 'S' for Sulfur or 'T' for Trace.

ASH CONTENT PERCENT MUST BE ENTERED ON SEG GEN FOR EMISSION CALCS.

When the **ASH SULFUR TRACE CODE** = 'A', the Ash Content Percent on Segment General must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

SULFUR CONTENT PERCENT MUST BE ENTERED ON SEG GEN FOR EMIS CALCS.

When the **ASH SULFUR TRACE CODE** = 'S', the Sulfur Content Percent on Segment General must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

'9'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ASH SULFUR TRACE CODE MUST BE 'A', 'S', OR 'T'.

ASH/SULFUR/TRACE CODE must be either 'A' for Ash, 'S' for Sulfur or 'T' for Trace.

TRANSACTION ERROR - ASH CONTENT PERCENT MUST BE ENTERED ON SEG GEN FOR EMISSION CALCS.

When the **ASH SULFUR TRACE CODE** = 'A', the Ash Content Percent on Segment General must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

TRANSACTION ERROR - SULFUR CONTENT PERCENT MUST BE ENTERED ON SEG GEN FOR EMIS CALCS.

When the **ASH SULFUR TRACE CODE** = 'S', the Sulfur Content Percent on Segment General must have a value other than '0' for a calculated emission with Method Code '8' or '9'.

7.3.18 STATE DATA ELEMENT 8

STATE DATA ELEMENT 8 (SDE 8) is an optional User-defined Field used to maintain information relating to State Emissions Information.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

 In the 'SDE 8' field found in the AFS Segment Pollutant Information screen, enter an **SDE 8**.

Batch: Transaction type 41, Sequence #2

 In column 69, enter an **SDE 8**.

Online Error Messages:

 None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

 None.

7.3.19 SEASONAL ADJUSTMENT FACTOR

SEASONAL ADJUSTMENT FACTOR is a factor to apply to Annual Emissions to adjust them to a Seasonal Basis. This value is not used in the AFS Calculations.

Attributes: 4 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the 'SEASONAL ADJUSTMENT FACTOR' field found in the AFS Segment Pollutant Information screen, enter a **SEASONAL ADJUSTMENT FACTOR** of 0 - 9999.

Batch: Transaction type 41, Sequence #2

In columns 70 - 73, enter a **SEASONAL ADJUSTMENT FACTOR** of 0 - 9999.

Online Error Messages:

SEASONAL ADJUSTMENT FACTOR MUST BE NUMERIC.

SEASONAL ADJUSTMENT FACTOR must be a numeric value between 0 and 9999.

INVALID SEASONAL ADJ FACTOR - EMBEDD/LEADING BLANKS NOT ALLOWED.

SEASONAL ADJUSTMENT FACTOR must be a numeric value between 0 and 9999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SEASONAL ADJUSTMENT FACTOR MUST BE NUMERIC.

SEASONAL ADJUSTMENT FACTOR must be a numeric value between 0 and 9999.

TRANSACTION ERROR - INVALID SEASONAL ADJ FACTOR - EMBEDD/LEADING BLANKS NOT ALLOWED.

SEASONAL ADJUSTMENT FACTOR must be a numeric value between 0 and 9999 without any blanks.

7.3.20 **RULE EFFECTIVENESS PERCENT**

RULE EFFECTIVENESS PERCENT is the percent effectiveness of a Regulatory Control Program.

Attributes: 3 digit code
 Required (For VOC in an OZONE
 Non Attainment Area, if SIP Rule is
 in place.)

Coding Instructions:

Online: Screen 341

In the 'RULE EFFECTIVENESS PERCENT' field found in the AFS Segment Pollutant Information screen, enter a **RULE EFFECTIVENESS PERCENTS** of 0 - 100.

Batch: Transaction type 41, Sequence #2

In columns 74 - 76, enter a **RULE EFFECTIVENESS PERCENTS** of 0 - 100.

Online Error Messages:

RULE EFFECTIVENESS PERCENT MUST BE LESS THAN OR EQUAL TO 100.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.

RULE EFFECT. PERCENT IS REQUIRED IF RULE EFFECT. % MC ENTERED.

RULE EFFECTIVENESS PERCENT must be entered if Rule Effectiveness Percent method Code is entered.

RULE EFFECTIVENESS PERCENT MUST BE NUMERIC.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.0.

INVALID RULE EFFECTIVENESS PERCENT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.0 without and blanks.

RULE EFFECT % MAY ONLY BE ENTERED IF THERE IS SIP RULE IN PLACE.

RULE EFFECTIVENESS PERCENT must be entered only when there is a SIP Rule in Place

Batch Transaction Report Error Messages:

TRANSACTION ERROR - RULE EFFECTIVENESS PERCENT MUST BE LESS THAN OR EQUAL TO 100.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.

TRANSACTION ERROR - RULE EFFECT. PERCENT IS REQUIRED IF RULE EFFECT. % MC ENTERED.

RULE EFFECTIVENESS PERCENT must be entered if Rule Effectiveness Percent method Code is entered.

TRANSACTION ERROR - RULE EFFECTIVENESS PERCENT MUST BE NUMERIC.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.0.

TRANSACTION ERROR - INVALID RULE EFFECTIVENESS PERCENT - EMBEDDED/LEADING BLANKS NOT ALLOWED.

RULE EFFECTIVENESS PERCENT must be a numeric value between 0 and 100.0 without and blanks.

TRANSACTION ERROR - RULE EFFECT % MAY ONLY BE ENTERED IF THERE IS SIP RULE IN PLACE.

RULE EFFECTIVENESS PERCENT must be entered only when there is a SIP Rule in Place.

7.3.21 **RULE EFFECTIVENESS METHOD CODE**

RULE EFFECTIVENESS METHOD CODE is a one-character user defined code used to identify the Method used to determine Rule Effectiveness.

Attributes: 1 digit code
 Required (If Rule Effectiveness Percent
 Entered.)

Coding Instructions:

Online: Screen 341

In the 'RULE EFFECTIVENESS METHOD CODE' field found in the AFS Segment Pollutant Information screen, enter a **RULE EFFECTIVENESS METHOD CODE**.

Batch: Transaction type 41, Sequence #2

In column 77, enter a **RULE EFFECTIVENESS METHOD CODE**.

Online Error Messages:

RULE EFFECT. % METHOD CODE IS REQUIRED IF RULE EFFECT. % ENTERED.

RULE EFFECTIVENESS METHOD CODE must be entered if Rule Effectiveness Percent is entered.

INVALID RULE EFFECTIVENESS PERCENT METHOD CODE.

RULE EFFECTIVENESS PERCENT METHOD CODE must be a valid value between 0 and 9 or 'A' thru 'Z'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - RULE EFFECT. % METHOD CODE IS REQUIRED IF RULE EFFECT.
% ENTERED.

RULE EFFECTIVENESS METHOD CODE must be entered if Rule Effectiveness Percent
is entered.

TRANSACTION ERROR - INVALID RULE EFFECTIVENESS PERCENT METHOD CODE.

RULE EFFECTIVENESS PERCENT METHOD CODE must be a valid value between 0 and
9 or 'A' thru 'Z'.

7.3.22 STATE PRIVATE INDICATOR

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and is designated State Private.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'STATE PRIVATE INDICATOR' field found in the AFS Segment Pollutant Information screen, enter a **STATE PRIVATE INDICATOR** of 'Y' (yes) or 'N' (no).

Batch: Transaction type 41, Sequence #2

In column 79, enter a **STATE PRIVATE INDICATOR** of 'Y' (yes) or 'N' (no).

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR - ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be 'N' in order to update Segment Pollutant.

7.3.23 PRIMARY CONTROL EQUIPMENT MANUFACTURER

PRIMARY CONTROL EQUIPMENT MANUFACTURER identifies a manufacturer of primary control equipment.

Attributes: 4 character code
Not Required

Coding Instructions:

Online: Screen 341

In the 'PRIMARY CONTROL EQUIPMENT MANUFACTURER' field found in the AFS Segment Pollutant Information screen, enter a **PRIMARY CONTROL EQUIPMENT MANUFACTURER** code.

Batch: Transaction type 41, Sequence #3

In columns 31-34, enter a **PRIMARY CONTROL EQUIPMENT MANUFACTURER** code.

Online Error Messages:

INVALID PRIMARY CONTROL EQUIPMENT MANUFACTURER.

PRIMARY CONTROL EQUIPMENT MANUFACTURER must exist on the AIRS-GEO-CONTROL-MANUFACTURER table.

Batch Transaction Report Error Messages:

None.

7.3.24 **SECONDARY CONTROL EQUIPMENT MANUFACTURER**

SECONDARY CONTROL EQUIPMENT MANUFACTURER identifies a manufacturer of secondary control equipment.

Attributes: 4 character code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'SECONDARY CONTROL EQUIPMENT MANUFACTURER' field found in the AFS Segment Pollutant Information screen, enter a **SECONDARY CONTROL EQUIPMENT MANUFACTURER** code.

Batch: Transaction type 41, Sequence #3

In columns 35-38, enter a **SECONDARY CONTROL EQUIPMENT MANUFACTURER** code.

Online Error Messages:

INVALID SECONDARY CONTROL EQUIPMENT MANUFACTURER.
SECONDARY CONTROL EQUIPMENT MANUFACTURER must exist on the AIRS-GEO-CONTROL-MANUFACTURER table.

Batch Transaction Report Error Messages:

None.

7.3.25 POLLUTANT FORM

POLLUTANT FORM identifies whether a pollutant is typically emitted as particulate matter, in a volatile state, or both.

Attributes: 1 character code
Not Required

Coding Instructions:

Online: Screen 341

In the 'POLLUTANT FORM' field found in the AFS Segment Pollutant Information screen, enter a **POLLUTANT FORM** code.

Batch: Transaction type 41, Sequence #3

In column 39, enter a **POLLUTANT FORM** code.

Online Error Messages:

INVALID POLLUTANT FORM.

POLLUTANT FORM must exist on the AIRS-GEO-DESCRIPTION table.

POLLUTANT FORM CANNOT BE GENERATED, A VALUE MUST BE SUPPLIED.

No **POLLUTANT FORM** was entered for a HAP Pollutant and no value exists for the POLLUTANT FORM on the AIRS-GEO-DESCRIPTION table.

Batch Transaction Report Error Messages:

None.

7.3.26 EMISSIONS LIMITATION DESCRIPTION

EMISSIONS LIMITATION DESCRIPTION is a user-defined thirty-character Emission Limitation Description.

Attributes: 30 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'EMISSIONS LIMITATION DESCRIPTION' field found in the AFS Segment Pollutant Information screen, enter an **EMISSIONS LIMITATION DESCRIPTION**.

Batch: Transaction type 41, Sequence #3

In columns 44 - 73, enter an **EMISSIONS LIMITATION DESCRIPTION**.

Online Error Messages:

EMIS LIM DESCR OR VALUE REQ'D WHEN THERE IS A SIP RULE IN PLACE.

EMISSIONS LIMITATION DESCRIPTION must be entered when a SIP Rule in Place was entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMIS LIM DESCR OR VALUE REQ'D WHEN THERE IS A SIP RULE IN PLACE.

EMISSIONS LIMITATION DESCRIPTION must be entered when a SIP Rule in Place was entered.

7.3.27 SIP RULE IN PLACE

SIP RULE IN PLACE indicates whether a SIP Rule is in effect for a specific Inventory Year and/or the Type of Regulatory Emission Limitation Applicable.

Attributes: 1 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the 'SIP RULE IN PLACE' field found in the AFS Segment Pollutant Information screen, enter a **SIP RULE IN PLACE** from the list below.

Batch: Transaction type 41, Sequence #3

In column 74, enter a **SIP RULE IN PLACE** from the list below.

Y - YES
N - NO
B - BACT
M - MACT
R - RACT

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

BACT - Best Available Control Technology - BACT standards governs a selected group of sources which emit particulate matter.

MACT -

Maximum Achievable Control Technology - MACT standards govern a selected group of industrial facilities which emit various air toxics.

RACT -

Reasonably Available Control Technology - RACT standards govern all major sources with the potential to emit 100 tons per year (TPY) of VOCs and NO_x.

Online Error Messages:

INVALID SIP RULE IN PLACE.

SIP RULE IN PLACE must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID SIP RULE IN PLACE.

SIP RULE IN PLACE must be a valid value as listed above.

7.3.28 YEAR REGULATED

YEAR REGULATED indicates the most recent year the SIP Rule was in effect.

Attributes: 2 digit code
Not Required

Coding Instructions:

Online: Screen 341

In the 'YEAR REGULATED' field found in the AFS Segment Pollutant Information screen, enter a **YEAR REGULATED**. Valid date format is YY.

Batch: Transaction type 41, Sequence #3

In columns 75 - 76, enter a **YEAR REGULATED**. Valid date format is YY.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

The user has indicated that a SIP Rule is in effect for the inventory, which requires that the year the SIP Rule went into effect be specified in this element. To correct this, either supply a year in numeric format, or remove the value in the **SIP RULE IN PLACE** field.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

The user has indicated that a SIP Rule is in effect for the inventory, which requires that the year the SIP rule went into effect be specified in this element. To correct this, either supply a year in numeric format, or remove the value in the **SIP RULE IN PLACE** field.

7.3.29 YEAR LAST MODIFIED

YEAR LAST MODIFIED indicates the Year SIP Rule was last modified.

Attributes: 2 digit code
 Not Required

Coding Instructions:

Online: Screen 341

In the 'YEAR LAST MODIFIED' field found in the AFS Segment Pollutant Information screen, enter a **YEAR LAST MODIFIED**. Valid date format is YY.

Batch: Transaction type 41, Sequence #3

In columns 77 - 78, enter a **YEAR LAST MODIFIED**. Valid date format is YY.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

YEAR LAST MODIFIED MUST BE YY FORMAT.

YEAR LAST MODIFIED must be the valid date format of Year-Year (YY).

YEAR LAST MODIFIED MUST BE LESS THAN OR EQUAL TO YEAR OF EMIS INV.

YEAR LAST MODIFIED must be less than or equal to the Year of Emissions Inventory.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR LAST MODIFIED MUST BE YY FORMAT.

YEAR LAST MODIFIED must be a valid date format of Year-Year (YY).

TRANSACTION ERROR - YEAR LAST MODIFIED MUST BE LESS THAN OR EQUAL TO YEAR OF EMIS INV.

YEAR LAST MODIFIED must be less than or equal to the Year of Emissions Inventory.

7.4 Update AFS Segment Chemical

AFS Segment Chemical provides chemical molecular weight and other chemical characteristic data for chemicals entered and tracked in the AFS Segment Pollutant records.

7.4.1 Common Data Fields

The data fields in this section, Point Number, Segment Number and Pollutant Code/CAS Number are common to all Update Segment Chemical records.

7.4.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where emissions actually occur, and to which a segment is dated. A point general record must exist in AFS prior to updating associated segment data.

Attributes: 3 character code
 Required

Coding Instructions:

Enter the number which identifies the point at a facility for which segment information will be entered.

Online: Screen 342

In the 'POINT ID' field found on the AFS Segment Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 42, Sequence #1

In columns 16-18, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

POINT DOES NOT EXIST

A Point must exist in AFS before users can successfully add segments.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

TRANSACTION ERROR - INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

POINT DOES NOT EXIST

A Point must exist in AFS before users can successfully add segments.

7.4.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), compliance point numbers (C), and merged point numbers (M). Users may input any or all three identifiers for different points within a facility.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 342

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the AFS Segment Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below. A point **COMPLIANCE/EMISSIONS IDENTIFIER** will be system-generated, when adding a segment to a compliance-only or emissions-only facility, or will require user input, when adding a point to a merged facility.

Batch: Transaction type 42, Sequence #1

In column 19, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

7.4.1.3 **SEGMENT NUMBER**

SEGMENT NUMBER a number used to designate an operation that causes air pollutant emissions, and which is associated with a point within the plant. Up to 99 segments may be associated with each emissions or merged point.

Attributes: 2 digit code
Required

Coding Instructions:

By entering an input value of 99, the system will generate the next available segment number for a point within a plant.

Online: Screen 342

In the 'SEGMENT NUMBER' field found in the AFS Segment Information screen, enter a 01 - 99 **SEGMENT NUMBER**. Valid values are numeric values between 1 and 99.

Batch: Transaction type 42, Sequence #1

In columns 20-21, enter a 01 - 99 for **SEGMENT NUMBER**.

Online Error Messages:

SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

Batch Transaction Report Error Messages:

TRANSACTION ERROR -SEGMENT NUMBER IS REQUIRED.

SEGMENT NUMBER is required in order to update all Segment information.

TRANSACTION ERROR - INVALID SEGMENT NUMBER.

SEGMENT NUMBER must be a numeric value between 1 and 99.

TRANSACTION ERROR - SEGMENT IS ALREADY ASSOCIATED WITH A STACK.

SEGMENT NUMBER can not be associated with more than one stack.

7.4.1.4 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant level for compliance and measured against air quality criteria designated by the air program. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 5 character code
Required (or CAS #)

Coding Instructions:

Online: Screen 342

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the list below.

Batch: Transaction type 42, Sequence #1

In columns 22-30, enter a valid value for **POLLUTANT CODE** from the list below.

AB - ASBESTOS	AS - ARSENIC
BE - BERYLLIUM	BZ - BENZENE
CD - CADMIUM	CO - CARBON MONOXIDE
HCL - HYDROCHLORIC ACID	HF - HYDROFLUORIC ACID
HG - MERCURY	H2S - HYDROGEN SULFIDE
NH3 - AMMONIA	NO - NITRIC OXIDE
SO2 - SULFUR DIOXIDE	SO3 - SULFUR TRIOXIDE
VC - VINYL CHLORIDE	ZN - ZINC
ACETY - ACETYLENES (ALKYNES)	ALDHY - ALDEHYDES
AROM - AROMATICS	CE - COKE OVEN EMISSIONS
CFC - CHLOROFLUOROCARBONS	FD - FUGITIVE DUST
FE - FUGITIVE EMISSIONS	FL - FLUORIDES
HC - TOTAL HYDROCARBONS	KETON - KETONES
OACID - ORGANIC ACIDS	OD - ODORS
OLEF - OLEFINS	OT - OTHER
PARAF - PARAFFINS (ALKANES)	PM10 - PARTICULATE MATTER
PM2.5 - PARTICULATE MATTER	PNA - POLYNUCLEAR AROMATICS
ASC - ARSENIC COMPOUNDS	BAC - BARIUM COMPOUNDS

BEC - BERYLLIUM COMPOUNDS	CDC - CADMIUM COMPOUNDS
PT - TOTAL PARTICULATE MATTER	SO4 - SULFATES
TS - TOTAL REDUCED SULFUR	VE - VISIBLE EMISSIONS
VOC - VOLATILE ORGANIC COMPOUNDS	SBC - ANTIMONY COMPOUNDS
CLPH - CHLORPHENOLS	CRC - CHROMIUM COMPOUNDS
COC - COBALT COMPOUNDS	CUC - COPPER COMPOUNDS
CNC - CYANIDE COMPOUNDS	GLYET - GLYCOL ETHERS
PBC - LEAD COMPOUNDS	MNC - MANGANESE COMPOUNDS
HGC - MERCURY COMPOUNDS	NIC - NICKEL COMPOUNDS
PBB - POLYBROMINATED BIPHENYLS	SEC - SELENIUM COMPOUNDS
NO2 - NITROGEN DIOXIDE	PB - LEAD
PX - DEFAULT POLLUTANT FROM CDS	
P1 - FINE PARTICULATES: HIGH PROBABILITY OF NON-ATTAINMENT	
P2 - FINE PARTICULATES: LOW PROBABILITY OF NON-ATTAINMENT	

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must be from the list above.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS) NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the list above.

7.4.1.5 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 342

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 42, Sequence #1

In columns 22-30, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the POLLUTANT TABLE file.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE file.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS
REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or
POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the POLLUTANT TABLE
file.

7.4.2 CHEMICAL DENSITY VALUE

CHEMICAL DENSITY VALUE is the density of a chemical processed or combusted at the segment expressed in Pounds/Gallon.

Attributes: 5 digit code
 Not Required

Coding Instructions:

Online: Screen 342

In the 'CHEMICAL DENSITY VALUE' field found in the AFS Segment Chemical Information screen, enter a **CHEMICAL DENSITY VALUE** of 1 - 99999.

Batch: Transaction type 42, Sequence #1

In columns 30 - 33, enter a **CHEMICAL DENSITY VALUE** of 1 - 99999.

Online Error Messages:

CHEMICAL DENSITY MUST BE NUMERIC - FORM 99999.

CHEMICAL DENSITY VALUE must be a numeric value between 0 and 99,999.

BOTH CHEMICAL DENSITY AND ITS DECIMAL POSITION ARE REQUIRED.

CHEMICAL DENSITY VALUE and Chemical Density Decimal Position both have to be entered when a **CHEMICAL DENSITY VALUE** is entered.

EITHER WEIGHT PERCENT OR DENSITY AND DECIMAL ARE REQUIRED.

CHEMICAL DENSITY VALUE and Decimal Value and Chemical Weight Percent were not entered. One of the two is required.

INVALID CHEMICAL DENSITY - EMBEDD/LEADING BLANKS NOT ALLOWED.

CHEMICAL DENSITY must be a numeric value between 0 and 99,999 without and blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CHEMICAL DENSITY MUST BE NUMERIC - FORM 99999.

CHEMICAL DENSITY VALUE must be a numeric value between 0 and 99,999.

TRANSACTION ERROR - EITHER WEIGHT PERCENT OR DENSITY AND DECIMAL ARE REQUIRED.

CHEMICAL DENSITY VALUE and Decimal Value and Chemical Weight Percent were not entered. One of the two is required.

TRANSACTION ERROR - BOTH CHEMICAL DENSITY AND ITS DECIMAL POSITION ARE REQUIRED.

CHEMICAL DENSITY VALUE and Chemical Density Decimal Position both have to be entered when a **CHEMICAL DENSITY VALUE** is entered.

TRANSACTION ERROR - INVALID CHEMICAL DENSITY - EMBEDD/LEADING BLANKS NOT ALLOWED.

CHEMICAL DENSITY must be a numeric value between 0 and 99,999 without and blanks.

7.4.3 **CHEMICAL DENSITY DECIMAL**

CHEMICAL DENSITY DECIMAL identifies the number of Decimal Positions from the right applied to a Chemical Density Value.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 342

In the 'DECIMAL POSITION' field found in the AFS Segment Chemical Information screen, enter a **CHEMICAL DENSITY DECIMAL** of 0 - 5.

Batch: Transaction type 42, Sequence #1

In column 34, enter a **CHEMICAL DENSITY DECIMAL** of 0 - 5.

Online Error Messages:

CHEMICAL DENSITY - DECIMAL MUST BE NUMERIC BETWEEN 0 AND 5.

CHEMICAL DENSITY DECIMAL must be a numeric value between 0 and 5.

BOTH CHEMICAL DENSITY AND ITS DECIMAL POSITION ARE REQUIRED.

CHEMICAL DENSITY DECIMAL and Chemical Density Value both have to entered when **CHEMICAL DENSITY DECIMAL** was entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CHEMICAL DENSITY - DECIMAL MUST BE NUMERIC BETWEEN 0 AND 5.

CHEMICAL DENSITY DECIMAL must be a numeric value between 0 and 5.

TRANSACTION ERROR - BOTH CHEMICAL DENSITY AND ITS DECIMAL POSITION ARE REQUIRED.

CHEMICAL DENSITY DECIMAL and Chemical Density Value both have to entered when **CHEMICAL DENSITY DECIMAL** was entered.

7.4.4 **CHEMICAL WEIGHT PERCENT**

CHEMICAL WEIGHT PERCENT is the percentage of a Chemical, based on weight, of a Fuel or Material processed at a Segment.

Attributes: 2.2 digit code
 Not Required

Coding Instructions:

Online: Screen 342

In the 'CHEMICAL WEIGHT PERCENT' field found in the AFS Segment Chemical Information screen, enter a **CHEMICAL WEIGHT PERCENT** of 00.00 - 99.99.

Batch: Transaction type 42, Sequence #1

In columns 35 - 38, enter a **CHEMICAL WEIGHT PERCENT** of 00.00 - 99.99.

Online Error Messages:

CHEMICAL WEIGHT PERCENT MUST BE NUMERIC - FORMAT 99.99.

CHEMICAL WEIGHT PERCENT must be a numeric value between 0 and 99.99.

EITHER WEIGHT PERCENT OR DENSITY AND DECIMAL ARE REQUIRED.

CHEMICAL WEIGHT PERCENT and Chemical Density Value and Decimal were not entered. One of the two is required.

INVALID CHEMICAL WEIGHT % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CHEMICAL WEIGHT PERCENT must be a numeric value between 0 and 99.99 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CHEMICAL WEIGHT PERCENT MUST BE NUMERIC - FORMAT 99.99.

CHEMICAL WEIGHT PERCENT must be a numeric value between 0 and 99.99.

TRANSACTION ERROR - EITHER WEIGHT PERCENT OR DENSITY AND DECIMAL ARE REQUIRED.

CHEMICAL WEIGHT PERCENT and Chemical Density Value and Decimal were not entered. One of the two is required.

TRANSACTION ERROR - INVALID CHEMICAL WEIGHT % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

CHEMICAL WEIGHT PERCENT must be a numeric value between 0 and 99.99 without any blanks.

7.4.5 STATE PRIVATE INDICATOR

STATE PRIVATE INDICATOR is a one-character code indicating whether information contained on a record is not Federally Reportable and is designated State Private.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 342

In the 'STATE PRIVATE INDICATOR' field found in the AFS Segment Pollutant Information screen, enter a **STATE PRIVATE INDICATOR** of 'Y' (yes) or 'N' (no).

Batch: Transaction type 42, Sequence #1

In column 79, enter a **STATE PRIVATE INDICATOR** of 'Y' (yes) or 'N' (no).

Online Error Messages:

STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE PRIVATE MUST BE 'Y' OR 'N'.

STATE PRIVATE INDICATOR must be either a 'Y' or a 'N'.

TRANSACTION ERROR- ACCESS TO STATE PRIVATE INFORMATION DENIED.

STATE PRIVATE INDICATOR must be a 'N' in order to update an existing Segment Chemical.

7.5 Update AFS Segment Projected Pollutant

The capacity to store user-entered values for projected pollutant emissions is supported by the AFS Segment Projected Pollutant records.

7.5.1 Common Data Fields

The data described in this section, **POLLUTANT CODE**, **CHEMICAL ABSTRACT SERVICE NUMBER**, **PROJECTION YEAR**, **PROJECTED INVENTORY TYPE**, **PROJECTED EMISSIONS TYPE INDICATOR**, are common to all related AFS Segment Projected Pollutant records and therefore must be referenced in all batch update transactions (in addition to the basic key qualifiers which identify the higher level point and segment relationships.)

7.5.1.1 POLLUTANT CODE

POLLUTANT CODE is a five-character code identifying a pollutant monitored at the plant, stack, point, or segment level for compliance and measured against air quality criteria designated by the air program.

Attributes: 5 character code
 Required (or CAS #)

Coding Instructions:

Online: Screen 344

In the 'POLLUTANT CODE' field found on the Plant Pollutant Information screen, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table, or enter a "?" in the **POLLUTANT CODE** element to activate the AFS Help utility.

Batch: Transaction type 43, Sequence #1-3

In columns 22-30, enter a valid value for **POLLUTANT CODE** from the Geocommon Parameter Table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS
REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS)
NUMBER.

INVALID POLLUTANT

POLLUTANT CODE must be from the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS
REQUIRED BUT NOT BOTH

Users may enter either a **POLLUTANT CODE** or CHEMICAL ABSTRACT SERVICE (CAS)
NUMBER.

TRANSACTION ERROR - INVALID POLLUTANT.

POLLUTANT CODE must be from the Geocommon Parameter Table.

7.5.1.2 **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER**

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER is the Chemical Abstract Service Number for a pollutant tracked at the facility. AFS mandates the tracking of at least one pollutant described on the Plant Pollutant Air Program record to establish a compliance facility in the database.

Attributes: 9 character code
Required (if pollutant code not entered)

Coding Instructions:

Online: Screen 344

In the 'CHEMICAL ABSTRACT #' field found on the Plant Pollutant Information screen, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table. Valid values are available through AFS Utility Menu Selection Option 10 (table lookup) or by placing "?" in the first character of the online data field.

Batch: Transaction type 43, Sequence #1-3

In columns 22-30, enter a valid 9 character value for **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** from the Geocommon Parameter Table.

Online Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS) NUMBER IS REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or POLLUTANT CODE.

INVALID CHEMICAL ABSTRACT SERVICE NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon Parameter Table.

Batch Transaction Report Error Messages:

EITHER POLLUTANT CODE OR CHEMICAL ABSTRACT SERVICE (CAS NUMBER) IS
REQUIRED BUT NOT BOTH

Users may enter either a **CHEMICAL ABSTRACT SERVICE (CAS) NUMBER** or
POLLUTANT CODE.

TRANSACTION ERROR - INVALID CHEMICAL ABSTRACT NUMBER.

CHEMICAL ABSTRACT SERVICE (CAS) NUMBER must exist on the Geocommon
Parameter Table.

7.5.1.3 PROJECTION YEAR

PROJECTION YEAR represents a (future) Year of Inventory related to a **PROJECTED EMISSIONS** value.

Attributes: 2 digit code
Required

Coding Instructions:

Online: Screen 344

In the 'PROJECTION YEAR' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTION YEAR**. Valid date format is YY.

Batch: Transaction type 43, Sequence #1-3

In columns 31 - 32, enter a **PROJECTION YEAR**. Valid date format is YY.

Online Error Messages:

PROJECTION YEAR IS REQUIRED.

PROJECTION YEAR must be entered in order to update a Segment Projected Pollutant.

PROJECTION YEAR MUST BE YY FORMAT.

PROJECTION YEAR must be in the format of year-year (YY).

PROJECTION YEAR MUST BE GREATER THAN OR EQUAL TO CURRENT YEAR.

PROJECTION YEAR must represent a year equal to or beyond the latest year of inventory for the facility.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PROJECTION YEAR IS REQUIRED.

PROJECTION YEAR must be entered in order to update a Segment Projected Pollutant.

TRANSACTION ERROR -PROJECTION YEAR MUST BE YY FORMAT.

PROJECTION YEAR must be in the format of year-year (YY).

TRANSACTION ERROR - PROJECTION YEAR MUST BE GREATER THAN OR EQUAL TO CURRENT YEAR.

PROJECTION YEAR must represent a year equal to or beyond the latest year of inventory for the facility.

7.5.1.4 PROJECTED INVENTORY TYPE

PROJECTED INVENTORY TYPE is a one-character code which identifies a category of Projected Inventory.

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 344

In the 'PROJECTED INVENTORY TYPE' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED INVENTORY TYPE** from the list below.

Batch: Transaction type 344, Sequence #1-3

In column 33, enter a **PROJECTED INVENTORY TYPE** from the list below.

R - RFP PROJECTION
M - MODELING PROJECTION

Online Error Messages:

INVENTORY TYPE REQUIRED.

PROJECTED INVENTORY TYPE is required in order to update Segment Projected Pollutant.

INVALID PROJECT INVENTORY TYPE.

PROJECTED INVENTORY TYPE must be a valid code as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVENTORY TYPE REQUIRED.

PROJECTED INVENTORY TYPE is required in order to update Segment Projected Pollutant.

TRANSACTION ERROR - INVALID PROJECT INVENTORY TYPE.

PROJECTED INVENTORY TYPE must be a valid code as listed above.

7.5.1.5 PROJECTED EMISSIONS TYPE INDICATOR

PROJECTED EMISSIONS TYPE INDICATOR is a two-character code which identifies the type of Projection based on how the emissions were calculated.

Attributes: 2 character code
Required

Coding Instructions:

Online: In the field labeled 'EMISSIONS TYPE INDICATOR' found in the AFS Segment Projected Pollutant Information Screen, enter a two character code from the list below.

Batch: Transaction type 43, Sequence #1-3

In columns 34-35, enter a **PROJECTED EMISSIONS TYPE INDICATOR** from the following:

GB - GROWTH AND BASE YEAR CONTROLS
GN - GROWTH AND NEW CONTROLS
LB - LIMIT AND BASE YEAR CONTROLS
LN - LIMIT AND NEW CONTROLS

Online Error Messages:

EMISSIONS TYPE INDICATOR IS REQUIRED.

PROJECTED EMISSIONS TYPE INDICATOR must be entered in order to update Segment Projected Pollutant.

INVALID EMISSION TYPE INDICATOR

PROJECTED EMISSIONS TYPE INDICATOR must be a valid code as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - EMISSIONS TYPE INDICATOR IS REQUIRED.

PROJECTED EMISSIONS TYPE INDICATOR must be entered in order to update Segment Projected Pollutant.

TRANSACTION ERROR - INVALID EMISSION TYPE INDICATOR

PROJECTED EMISSIONS TYPE INDICATOR must be a valid code as listed above.

7.5.2 PROJECTED VALUE TYPE

PROJECTED VALUE TYPE is a four position code that identifies the emissions type being reported.

Attributes: 4 character code
Required (If Projected Emissions Value Entered.)

Coding Instructions:

Online: Screen 344

On the Segment Projected Pollutant Information Screen, enter a **PROJECTED VALUE TYPE** in the column with the heading 'EMISSIONS TYPE'. Valid values are listed below.

Batch: Transaction type 41, Sequence #1

In columns 36-39, enter a **PROJECTED VALUE TYPE**. Valid values are as follows:

PROJ - PROJECTED
LIMP - PROJECTED EMISSIONS LIMITATION

Online Error Messages:

AT LEAST 1 TYPE OF EMISSIONS AND RELATED INFORMATION IS REQUIRED.

PROJECTED VALUE TYPE must be entered in order to update a Segment Projected Pollutant.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - AT LEAST 1 TYPE OF EMISSIONS AND RELATED INFORMATION IS REQUIRED.

PROJECTED VALUE TYPE must be entered in order to update a Segment Projected Pollutant.

7.5.3 PROJECTED EMISSIONS

PROJECTED EMISSIONS is Estimated Emissions for a Projected Year.

Attributes: 7 digits (batch); 8 digits including a decimal point (online)
Not Required

Coding Instructions:

Online: Screen 344

In the 'PROJECTED EMISSIONS' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED EMISSIONS** of 0 -9999999. Enter the decimal character '.' in the appropriate position in the emissions value.

Batch: Transaction type 41, Sequence #1

In columns 40-46, enter a **PROJECTED EMISSIONS** of 0 - 9999999.

Online Error Messages:

PROJECTED EMISSIONS MUST BE NUMERIC.

PROJECTED EMISSIONS must be a numeric value between 0 and 9,999,999.

INVALID PROJECTED EMISSIONS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROJECTED EMISSIONS must be a numeric value between 0 and 9,999,999 without any blanks.

PROJECTED EMISSIONS INFORMATION IS ONLY PARTIALLY COMPLETED.

PROJECTED EMISSIONS, Projected Emissions Units and Projected Emissions Method must all be filled in for Projected Emissions.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - PROJECTED EMISSIONS MUST BE NUMERIC.

PROJECTED EMISSIONS must be a numeric value between 0 and 9,999,999.

TRANSACTION ERROR - INVALID PROJECTED EMISSIONS - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROJECTED EMISSIONS must be a numeric value between 0 and 9,999,999 without any blanks.

TRANSACTION ERROR - PROJECTED EMISSIONS INFORMATION IS ONLY PARTIALLY COMPLETED.

PROJECTED EMISSIONS, Projected Emissions Units, Decimal Position, and Projected Emissions Method must all be filled in for Projected Emissions.

7.5.4 PROJECTED EMISSIONS DECIMAL POSITION

PROJECTED EMISSIONS DECIMAL POSITION identifies the location of the decimal point in an emissions value by indicating how many places are to the right of the decimal.

Attributes: 1 digit
Required (If other Projected Emissions Data
Entered.)

Coding Instructions:

Online: Screen 344

The 'DECIMAL POSITION' is **not** entered as a separate field online. Enter the decimal character '.' in the appropriate place within the emissions value.

Batch: Transaction type 43, Sequence #1

In column 47, enter a **PROJECTED EMISSIONS DECIMAL POSITIONS** of 0 - 7.

Online Error Messages:

INVALID XXXX EMISSIONS - ONLY ONE DECIMAL POINT ALLOWED.
(Where XXXX is the EMISSIONS TYPE, such as 'PROJ')

Batch Transaction Report Error Messages:

TRANSACTION ERROR - DECIMAL POSITION MUST BE BETWEEN 0 AND 7.

PROJECTED EMISSIONS DECIMAL POSITION must be a numeric value between 0 and 7.

7.5.5 PROJECTED EMISSIONS UNIT VALUE

PROJECTED EMISSIONS UNIT VALUE is a two-character code which identifies the Units associates with a Projected Emissions Value. Typically, this is expressed as a weight/time value.

Attributes: 2 digit code
Required (If other Projected Emissions Data Entered.)

Coding Instructions:

Online: Screen 344

In the 'UNIT VALUE' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED EMISSIONS UNIT VALUE** from the list below.

Batch: Transaction type 43, Sequence #1

In columns 48 - 49, enter a **PROJECTED EMISSIONS UNIT VALUE** from the list below.

PD - POUNDS/DAY
PH - POUNDS/HOUR
PM - POUNDS/MONTH
PY - POUNDS/YEAR
TD - TONS/DAY
TH - TONS/HOUR
TM - TONS/MONTH
TY - TONS/YEAR

Online Error Messages:

INVALID PROJECTED EMISSIONS UNITS.

PROJECTED EMISSIONS UNITS VALUE must be a value listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PROJECTED EMISSIONS UNITS.

PROJECTED EMISSIONS UNITS VALUE must be a value listed above.

7.5.6 PROJECTED EMISSIONS METHOD CODE

PROJECTED EMISSIONS METHOD CODE is a two-character code which identifies the Projection Technique used in the Calculation of a Projected Emission Value.

Attributes: 2 character code
 Required (If other Projected Emissions Data Entered.)

Coding Instructions:

Online: Screen 344

In the 'METHOD CODE' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED EMISSIONS METHOD CODE**.

Batch: Transaction type 43, Sequence #1

In columns 50 - 51, enter a **PROJECTED EMISSIONS METHOD CODE**.

VALID VALUES:

PROJ - 01 (Default Method code)

Online Error Messages:

INVALID PROJECTED EMISSIONS METHOD CODE.

PROJECTED EMISSIONS METHOD CODE must be a valid value.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PROJECTED EMISSIONS METHOD CODE.

PROJECTED EMISSIONS METHOD CODE must be a valid value.

7.5.7 PROJECTED EMISSIONS LIMITATION DESCRIPTION

PROJECTED EMISSIONS LIMITATION DESCRIPTION is a twenty-seven character user-defined Projected Emissions Limitation Description.

Attributes: 27 character code
Not Required

Coding Instructions:

Online: Screen 344

In the 'LIMITATION DESCRIPTION' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED EMISSIONS LIMITATION DESCRIPTION**.

Batch: Transaction type 43, Sequence #2

In columns 36-62, enter a **PROJECTED EMISSIONS LIMITATION DESCRIPTION**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

7.5.8 PROJECTED PRIMARY CONTROL EQUIPMENT

PROJECTED PRIMARY CONTROL EQUIPMENT is the principal control equipment device that reduces Uncontrolled Emissions.

Attributes: 3 digit code
 Not Required

Coding Instructions:

Online: Screen 344

In the "PROJECTED PRIMARY CONTROL EQUIPMENT" field found in the AFS Segment Projected Information screen, enter a **PROJECTED PRIMARY CONTROL EQUIPMENT**. Valid values can be found on the AFS Table File Lookup, or by activating online AFS Help by entering a "?" as the first character of the field.

Batch: Transaction type 43, Sequence #3

In columns 36-38, enter a **PROJECTED PRIMARY CONTROL EQUIPMENT**. Valid values can be found through the AFS Table file lookup.

Online Error Messages:

INVALID PROJECTED PRIMARY CONTROL EQUIPMENT

PROJECTED PRIMARY CONTROL EQUIPMENT must be valid value as listed above.

PRIMARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PROJECTED PRIMARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PROJECTED PRIMARY CONTROL EQUIPMENT.

PROJECTED PRIMARY CONTROL EQUIPMENT must be a valid value as listed above.

TRANSACTION ERROR - PRIMARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PROJECTED PRIMARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

7.5.9 PROJECTED SECONDARY CONTROL EQUIPMENT

PROJECTED SECONDARY CONTROL EQUIPMENT is the ancillary control equipment device that reduces Uncontrolled Emissions.

Attributes: 3 digit code
 Not Required

Coding Instructions:

Online: Screen 344

In the "PROJECTED SECONDARY CONTROL EQUIPMENT" field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTED SECONDARY CONTROL EQUIPMENT**. Valid values can be found on the AFS Table File Lookup Utility, or by activating online Help by entering a "?" as the first character of the field.

Batch: Transaction type 43, Sequence #3

In columns 39-41, enter a **PROJECTED SECONDARY CONTROL EQUIPMENT**. Valid values can be found through the AFS Table File Lookup Utility.

Online Error Messages:

INVALID PROJECTED SECONDARY CONTROL EQUIPMENT

PROJECTED SECONDARY CONTROL EQUIPMENT must be valid value as listed above.

SECONDARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PROJECTED SECONDARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID PROJECTED SECONDARY CONTROL EQUIPMENT.

PROJECTED SECONDARY CONTROL EQUIPMENT must be a valid value as listed above.

TRANSACTION ERROR - SECONDARY CONTROL EQMT REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED.

PROJECTED SECONDARY CONTROL EQUIPMENT must be entered when Control Equipment Efficiency Percent is entered.

7.5.10 PROJECTION CONTROL EQUIPMENT EFFICIENCY

PROJECTION CONTROL EQUIPMENT EFFICIENCY is the overall Collection Efficiency in pollutant Weight Percentage for all Control Equipment applicable to Pollutants at the projected Segment Pollutant Level.

Attributes: 2.3 digit code
 Not Required

Coding Instructions:

Online: Screen 344

In the 'PROJECTION CONTROL EQUIPMENT EFFICIENCY' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTION CONTROL EQUIPMENT EFFICIENCY** of 0 - 99.999.

Batch: Transaction type 43, Sequence #3

In column 47, enter a **PROJECTION CONTROL EQUIPMENT EFFICIENCY** of 0 - 99.999.

Online Error Messages:

CONTROL EQUIPMENT EFFICIENCY % MUST BE NUMERIC - FORMAT 99.999.

PROJECTED CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999.

CNTRL EQMT EFF. (%) REQUIRED WHEN CNTRL EQMT EFF. METHOD ENTERED.

PROJECTED CONTROL EQUIPMENT EFFICIENCY must be entered when Control equipment efficiency Method Code has been entered.

INVALID CONTROL EQMT EFF. % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROJECTED CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999 without any blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTROL EQMT EFF. % - EMBEDDED/LEADING BLANKS NOT ALLOWED.

PROJECTED CONTROL EQUIPMENT EFFICIENCY must be a numeric value between .001 and 99.999 without any blanks.

TRANSACTION ERROR - CNTRL EQMT EFF. (%) REQUIRED WHEN CNTRL EQMT EFF. METHOD ENTERED.

PROJECTED CONTROL EQUIPMENT EFFICIENCY must be entered when Control equipment efficiency Method Code has been entered.

7.5.11 PROJECTION CONTROL EQUIPMENT EFFICIENCY METHOD

PROJECTION CONTROL EQUIPMENT EFFICIENCY METHOD is a code indicating the Method used when Estimating the Projected Control Equipment Efficiency.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 344

In the 'PROJECTION CONTROL EQUIPMENT EFFICIENCY METHOD' field found in the AFS Segment Projected Pollutant Information screen, enter a **PROJECTION CONTROL EQUIPMENT EFFICIENCY METHOD** from the list below.

Batch: Transaction type 43, Sequence #3

In columns 47, enter a **PROJECTION CONTROL EQUIPMENT EFFICIENCY METHOD**. Valid values are as follows:

- 1 - TESTED EFFICIENCY, BASED ON EPA REFERENCE METHOD.
- 2 - TESTED EFFICIENCY, BASED ON OTHER SOURCE TEST METHOD.
- 3 - DESIGN VALUE FROM MANUFACTURER.
- 4 - ENGINEERING ESTIMATE (GUESS).
- 5 - CALCULATED, BASED ON MATERIAL BALANCE.
- 6 - ESTIMATED, BASED ON PUBLISHED VALUE.
- 8 - COMPUTER-GENERATED DEFAULT VALUE.
- 9 - OTHER, DESCRIBE IN COMMENT.

Online Error Messages:

INVALID CONTROL EQUIPMENT EFFICIENCY METHOD CODE.

PROJECTED CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be a valid code as listed above.

CNTRL EQMT EFF. METHOD REQUIRED WHEN CNTRL EQMT EFF. (%) ENTERED

PROJECTED CONTROL EQUIPMENT EFFICIENCY METHOD CODE must be entered when Control Equipment Efficiency Percent entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Segment Comment Information so that each plant level comment is uniquely identified.

7.5.12 PROJECTED YEAR REGULATED

PROJECTED YEAR REGULATED indicates the year the SIP Regulation is expected to be in place.

Attributes: 2 digit code
Not Required

Coding Instructions:

Online: Screen 344

In the 'YEAR REGULATED' field found in the AFS Projected Pollutant Information screen, enter a **PROJECTED YEAR REGULATED**. Valid date format is YY.

Batch: Transaction type 43, Sequence #3

In columns 53 - 54, enter a **PROJECTED YEAR REGULATED**. Valid date format is YY.

Definitions:

SIP - State Implementation Plan - The Clean Air Act appoints the primary responsibility for meeting air quality standards to the states. A SIP is an EPA approved set of control measures and strategies which are implemented to meet federal air quality standards.

Online Error Messages:

YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

The user has indicated that a SIP Rule is in effect for the inventory, which requires that the year the SIP Rule went into effect be specified in this element. To correct this, either supply a year in numeric format, or remove the value in the **SIP RULE IN PLACE** field.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - YEAR REGULATED MANDATORY WHEN THERE IS A SIP RULE IN PLACE.

The user has indicated that a SIP Rule is in effect for the inventory, which requires that the year the SIP rule went into effect be specified in this element. To correct this, either supply a year in numeric format, or remove the value in the **SIP RULE IN PLACE** field.

7.6 Update AFS Segment Comment

AFS comment supports the maintenance of up to 240 characters of comment information pertaining to the segment. Through the use of the comment "emissions/compliance" identifier, specific comments can be designated as applicable (and owned) by emissions or compliance users.

7.6.1 Common Data Fields

The data fields in this section, **COMMENT NUMBER** and **COMMENT IDENTIFIER** are common to all related AFS Segment Comment records (sequences 1 - 4) and therefore must be referenced in all batch update transactions.

7.6.1.1 COMMENT NUMBER

COMMENT NUMBER is a unique three-digit numeric comment identifier.

Attributes: 3 digit code
 Required

Coding Instructions:

Online: Screen 343

In the 'COMMENT NUMBER' field found on the Segment Comment Information screen, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Batch: Transaction type 47, Sequence #1-4

In columns, 22-24, enter a 3 digit value for **COMMENT NUMBER**. The input of a value of '999' for **COMMENT NUMBER** will cause AFS to automatically generate the next available sequential comment number and apply it to the new comment record.

Online Error Messages:

INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Segment Comment Information so that each point level comment is uniquely identified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COMMENT NUMBER.

COMMENT NUMBER must be numeric.

TRANSACTION ERROR - COMMENT NUMBER IS REQUIRED

COMMENT NUMBER is required when entering AFS Segment Comment Information so that each point level comment is uniquely identified.

7.6.1.2 **COMMENT IDENTIFIER**

COMMENT IDENTIFIER is a one-character field used to distinguish comments relating to emissions information (E) from comments relating to compliance information (C) from comments relating to pollution prevention measures (P).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 343

In the 'COMMENT IDENTIFIER' field on the Comment Information screen, enter an valid value for **COMMENT IDENTIFIER** from the list below.

Batch: Transaction type 47, Sequence #1-4

In column 25, enter a valid value for **COMMENT IDENTIFIER** from the list below.

C - COMPLIANCE
E - EMISSION
P - POLLUTION PREVENTION REMARK

Online Error Messages:

COMMENT IDENTIFIER must be 'C', 'E' or 'P'.

COMMENT IDENTIFIER must be a 'C', 'E', or 'P' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C) from comments relating to emissions pollution prevention measures (P).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMMENT IDENTIFIER must be 'C', 'E', or 'P'.

COMMENT IDENTIFIER must be a 'C', 'E', or 'P' to distinguish comments relating to emissions information (E) from comments relating to compliance information (C) from comments relating to emissions pollution prevention measures (P).

7.6.2 **COMMENT**

COMMENT is an optional field which permits the user to enter additional information. Online comments consist of four lines, each of which can hold up to sixty characters. Batch comments are entered using up to four comment transactions, each of which contains up to 54 characters.

Attributes: 55 character code
Not required

Coding Instructions:

Online: Screen 343

In the 'COMMENT' field found on the Segment Comment Information screen, enter up to 240 characters for **COMMENT**.

Batch: Transaction type 47, Sequence #1,2,3 and/or 4

In columns 26-77, enter up to 54 characters for **COMMENT**, line 1.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

None.

7.6.3 ENFORCEMENT SENSITIVE INDICATOR

ENFORCEMENT SENSITIVE INDICATOR is a one-character field used to indicate if a compliance segment comment is considered enforcement sensitive.

Attributes: 1 character code
 Not Required (defaults to 'N' - not sensitive) Update sensitive access required to enter a value of 'Y'.

Coding Instructions:

Online: Screen 343

In the 'ENFORCEMENT SENSITIVE INDICATOR' field found on the Segment Comment Information screen, enter 'Y' or 'N'.

Batch: Transaction type 47, Sequence #1

In column 78, enter 'Y' or 'N' for **ENFORCEMENT SENSITIVE INDICATOR**. The indicator will default to 'N' if left blank when the record is added.

Online Error Messages:

ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ENFORCEMENT SENSITIVE INDICATOR MUST BE 'Y' OR 'N'.

ENFORCEMENT SENSITIVE INDICATOR must be 'Y' or 'N'. The indicator will default to 'N' if left blank when the record is added.

8.0 AFS Asbestos Data Update

AFS supports the tracking of asbestos contractor performance in the renovation/demolition of facilities, and the disposition of asbestos waste to EPA landfills. Asbestos Contractors and landfill records are updated on a case-by-case basis and are identified with their own State/County and Contractor or Landfill ID on batch update transactions. The online screens, batch transaction format types and associated data fields are as follows:

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
<u>AFS Asbestos Contractor</u>	308	50
Contractor ID		
Contractor Name		
Street Address		
County Code		
City		
State Abbreviation		
Zip Code		
Compliance Status		
Dun & Bradstreet No.		
Listing		
Delisting		
Certification		
Decertification		
<u>AFS Asbestos Landfill</u>	309	51
Landfill EPA ID		
Landfill Name		
Street Address		
City		
State Abbreviation		
Zip Code		

AFS Data Coding

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<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS Asbestos Performance Point Number Compliance/Emissions Identifier Contractor State Contractor ID Building Owner Operator Building Owner State Building Owner Zip Code Building Owner Street Building Owner City	310	52
<u>AFS Asbestos Performance</u>	310	52
Contractor Owner Operator Asbestos Removed Linear Feet Asbestos Removed Square Feet Asbestos Removed Cubic Feet Asbestos Removal Method 1 Asbestos Removal Method 2 Asbestos Removal Method 3 Disposal Site Unknown Asbestos Method Removal Description Landfill State Landfill Name Landfill EPA ID 1 Landfill EPA ID 2 Landfill EPA ID 3 Landfill Street Landfill City Landfill Zip Code		

The AFS Asbestos data batch transaction types, online update screens, and associated data are described in Section 8 as follows. Please note that descriptions of mandatory data common to all AFS batch transactions are described in Section 3.

8.1 Update AFS Asbestos Contractor

Asbestos contractor information is maintained in asbestos contractor records, including data on asbestos contractor name and address data, certification data and compliance status.

8.1.1 Common Data Fields

The data fields **CONTRACTOR STATE AND CONTRACTOR ID** serve as the common fields to associate all related AFS Asbestos Contractor records and therefore must be entered in all batch update transactions.

8.1.1.1 CONTRACTOR STATE CODE

CONTRACTOR STATE CODE is a two-character FIPS code identifying the state in which an asbestos contractor is registered. This field is used for actions pertaining to asbestos contractor enforcement.

Attributes: 2 character code
Not required

Coding Instructions:

Online: Screen 350

In the 'CONTRACTOR STATE CODE' field found on the Point Action Information screen, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

Batch: Transaction type 50, Sequence #1-4

In columns 23-24, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA

AFS Data Coding
AF2

12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE.

CONTRACTOR STATE CODE must be from the list above.

STATE AND CONTRACTOR ID ARE BOTH REQUIRED

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in **CONTRACTOR ID**, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

CONTRACTOR STATE CODE must be from list above.

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in **CONTRACTOR ID**, these fields must either both contain information or both remain blank.

8.1.1.2 **CONTRACTOR ID**

CONTRACTOR ID is a State User-Defined Identification Number used to identify Asbestos Contractors within a State.

Attributes: 12 digit code
 Required (Optional for Actions)

Coding Instructions:

Online: Screen 350

In the 'CONTRACTOR ID' field found in the AFS Asbestos Contractor Information screen, enter up to twelve alphanumeric characters for **CONTRACTOR ID**.

Batch: Transaction type 50, Sequence #1-4

In columns 14 - 25, enter up to twelve alphanumeric characters for **CONTRACTOR ID**.

Online Error Messages:

STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

CONTRACTOR ID must be entered with State Code.

CONTRACTOR ID IS REQUIRED.

CONTRACTOR ID must be entered in order to update an Asbestos Contractor.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

CONTRACTOR ID must be entered with State Code.

TRANSACTION ERROR - CONTRACTOR ID IS REQUIRED.

CONTRACTOR ID must be entered in order to update an Asbestos Contractor.

8.1.2 CONTRACTOR NAME

CONTRACTOR NAME is the name of the Asbestos Contractor responsible for demolition and/or renovation work at the facility. It should be noted that all contractor records 'Contractor Name' and 'Contractor Address' fields are automatically compared in AFS. Those contractor records with exactly similar contractor name and address data are automatically updated with the same national contractor ID, which is displayed in AFS Browse contractor. The national contractor ID number generated by AFS can be used to retrieve data on the same contractor registered in multiple states and with multiple state contractor ID numbers.

Attributes: 40 digit code
Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR NAME' field found in the AFS Asbestos Contractor Information screen, enter up to forty alphanumeric characters for **CONTRACTOR NAME**.

Batch: Transaction type 50, Sequence #1

In columns 26 - 65, enter up to forty alphanumeric characters for **CONTRACTOR NAME**.

Online Error Messages:

CONTRACTOR NAME IS REQUIRED.

CONTRACTOR NAME must be entered in order to update an Asbestos Contractor.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CONTRACTOR NAME IS REQUIRED.

CONTRACTOR NAME must be entered in order to update an Asbestos Contractor.

8.1.3 **CONTRACTOR STREET ADDRESS**

CONTRACTOR STREET ADDRESS is the Street Address for the Office or Business Location of the Contractor responsible for Asbestos Demo/Reno work.

Attributes: 30 digit code
Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR STREET ADDRESS' field found in the AFS Asbestos Contractor Information screen, enter up to thirty alphanumeric characters for **CONTRACTOR STREET ADDRESS**.

Batch: Transaction type 50, Sequence #2

In columns 26-55, enter up to thirty alphanumeric characters for **CONTRACTOR STREET ADDRESS**.

Online Error Messages:

STREET ADDRESS IS REQUIRED.

CONTRACTOR STREET ADDRESS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STREET ADDRESS IS REQUIRED.

CONTRACTOR STREET ADDRESS must be entered.

8.1.4 **CONTRACTOR COUNTY CODE**

CONTRACTOR COUNTY CODE is a three-character FIPS code which identifies the county in which the office of business of the contractor responsible for asbestos Demo/Reno work is located.

Attributes: 3 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR COUNTY CODE' field found in the AFS Asbestos Contractor Information Screen, enter a **CONTRACTOR COUNTY CODE**. Valid values must exist on the AFS FIPS Area Table maintained within AFS Table File. This table can be accessed online through the AFS Utility Menu.

Batch: Transaction type 50, Sequence #2

In columns 56-58, enter a **CONTRACTOR COUNTY CODE**. Valid values must exist on the AFS FIPS Area Table maintained within AFS Table File. This table can be accessed online through the AFS Utility Menu.

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID COUNTY FOR STATE SPECIFIED.

CONTRACTOR COUNTY CODE must be a valid County Code within the State specified.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID COUNTY FOR STATE SPECIFIED.

CONTRACTOR COUNTY CODE must be a valid County Code within the State specified.

8.1.5 **CONTRACTOR CITY NAME**

CONTRACTOR CITY NAME is the name of the City or Town in which the Asbestos Contractor's Office or Business is located.

Attributes: 30 digit code
 Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR CITY NAME' field found in the AFS Asbestos Contractor Information screen, enter up to thirty alphanumeric characters for **CONTRACTOR CITY NAME**.

Batch: Transaction type 50, Sequence #3

In columns 26-55, enter up to thirty alphanumeric characters for **CONTRACTOR CITY NAME**.

Online Error Messages:

CITY NAME IS REQUIRED.

CONTRACTOR CITY NAME must be entered in order to update an Asbestos Contractor.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CITY NAME IS REQUIRED.

CONTRACTOR CITY NAME must be entered in order to update an Asbestos Contractor.

8.1.6 CONTRACTOR STATE CODE

CONTRACTOR STATE CODE is a two-character FIPS code identifying the state in which an asbestos contractor is registered.

Attributes: 2 character code
Not required (Optional for Actions)

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR STATE CODE' field found on the AFS Asbestos Contractor Information screen, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

Batch: Transaction type 50, Sequence #3

In columns 56-57, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM
19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE.

CONTRACTOR STATE CODE must be from the list above.

STATE AND CONTRACTOR ID ARE BOTH REQUIRED

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

CONTRACTOR STATE CODE must be from list above.

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

Since **CONTRACTOR STATE CODE** provides descriptive information about the contractor designated in CONTRACTOR ID, these fields must either both contain information or both remain blank.

8.1.7 CONTRACTOR ZIP CODE

CONTRACTOR ZIP CODE is the Zip Code for the owner or main office of the asbestos contractor.

Attributes: 9 digit code
Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR ZIP CODE' field found in the AFS Asbestos Contractor Information screen, enter a five or nine digit **CONTRACTOR ZIP CODE**.

Batch: Transaction type 50, Sequence #3

In columns 58 - 66, enter a five or nine digit **CONTRACTOR ZIP CODE**.

Online Error Messages:

ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

CONTRACTOR ZIP CODE must be a valid numeric value of five or nine digits.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

CONTRACTOR ZIP CODE must be a valid numeric value of five or nine digits.

8.1.8 CONTRACTOR COMPLIANCE STATUS

CONTRACTOR COMPLIANCE STATUS is a one-character code which indicates whether a Contractor involved in an Asbestos Abatement Activity is in compliance, not in compliance, or has an unknown compliance status.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR COMPLIANCE STATUS' field found in the AFS Asbestos Contractor Information screen, enter a **CONTRACTOR COMPLIANCE STATUS** from the list below.

Batch: Transaction type 50, Sequence #3

In column 67, enter a **CONTRACTOR COMPLIANCE STATUS** from the list below.

- 0 - UNKNOWN COMPLIANCE STATUS
- 1 - IN VIOLATION - NO SCHEDULE
- 2 - IN COMPLIANCE - SOURCE TEST
- 3 - IN COMPLIANCE - INSPECTION
- 4 - IN COMPLIANCE - CERTIFICATION
- 5 - MEETING COMPLIANCE SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE
- 8 - NO APPLICABLE STATE REGULATION
- 9 - IN COMPLIANCE - SHUT DOWN
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
- M - IN COMPLIANCE - CEMS
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE
- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE

Online Error Messages:

INVALID CONTRACTOR COMPLIANCE STATUS.

CONTRACTOR COMPLIANCE STATUS must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTRACTOR COMPLIANCE STATUS.

CONTRACTOR COMPLIANCE STATUS must be a valid value as listed above.

8.1.9 CONTRACTOR DUN & BRADSTREET NUMBER

CONTRACTOR DUN & BRADSTREET NUMBER is a number assigned by Dun & Bradstreet to the Primary Office or Business location of an Asbestos Demo/Reno Contractor. This number can be used as a Cross-reference to identify Contractors working in Multiple EPA Regions. It is especially useful when exact name and address matching does not exist, and the national EPA contractor ID is not generated (see 8.1.2).

Attributes: 9 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR DUN & BRADSTREET NUMBER' field found in the AFS Asbestos Contractor Information screen, enter a nine alphanumeric character **CONTRACTOR DUN & BRADSTREET NUMBER**.

Batch: Transaction type 50, Sequence #4

In columns 26 - 34, enter a nine alphanumeric character **CONTRACTOR DUN & BRADSTREET NUMBER**.

Online Error Messages:

CONTRACT ALREADY EXIST WITH THIS DUN & BRADSTREET NUMBER.

CONTRACTOR DUN & BRADSTREET NUMBER must only belong to one Contractor ID.

INVALID DUN & BRADSTREET NUMBER - FORMAT XXXXXXXXXX.

CONTRACTOR DUN & BRADSTREET NUMBER must be a valid nine alphanumeric value.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CONTRACT ALREADY EXIST WITH THIS DUN & BRADSTREET NUMBER.

CONTRACTOR DUN & BRADSTREET NUMBER must only belong to one Contractor ID.

TRANSACTION ERROR - INVALID DUN & BRADSTREET NUMBER - FORMAT XXXXXXXXXX.

CONTRACTOR DUN & BRADSTREET NUMBER must be a valid nine alphanumeric value.

8.1.10 **CONTRACTOR LISTING**

CONTRACTOR LISTING is the date upon which a Contractor is Listed by EPA, under provisions described in 40 CFR 15.10-16, as ineligible for contracts to perform work where Federal Money is involved.

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR LISTING' field found in the AFS Asbestos Contractor Information screen, enter a **CONTRACTOR LISTING**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Batch: Transaction type 50, Sequence #4

In columns 35 - 40, enter a **CONTRACTOR LISTING**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Online Error Messages:

INVALID LISTING DATE.

CONTRACTOR LISTING must be a valid date format.

LISTING DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR LISTING must be a valid date format of the past or present but not the future.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LISTING DATE.

CONTRACTOR LISTING must be a valid date format.

TRANSACTION ERROR - LISTING DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR LISTING must be a valid date format of the past or present but not the future.

8.1.11 CONTRACTOR DELISTING

CONTRACTOR DELISTING is the date upon which a Contractor is removed by EPA from the list of contractors established under provisions of 40 CFR 15.10-16. Removal from the list indicates authorization to participate in projects funded by government agencies.

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR DELISTING' field found in the AFS Asbestos Contractor Information screen, enter a **CONTRACTOR DELISTING**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Batch: Transaction type 50, Sequence #4

In columns 41 - 46, enter a **CONTRACTOR DELISTING**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Online Error Messages:

INVALID DELISTING DATE.

CONTRACTOR DELISTING must be a valid date format.

DELISTING DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR DELISTING must be a valid date format of the past or present but not the future.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID DELISTING DATE.

CONTRACTOR DELISTING must be a valid date format.

TRANSACTION ERROR - DELISTING DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR DELISTING must be a valid date format of the past or present but not the future.

8.1.12 CONTRACTOR CERTIFICATION

CONTRACTOR CERTIFICATION is the date a Contractor is recorded by a State as Certified to remove Asbestos under provisions of the Asbestos Hazard Emergency Response ACT (AHERA).

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR CERTIFICATION' field found in the AFS Asbestos Contractor Information screen, enter a **CONTRACTOR CERTIFICATION**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Batch: Transaction type 50, Sequence #4

In columns 47 - 52, enter a **CONTRACTOR CERTIFICATION**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Online Error Messages:

INVALID CERTIFICATION DATE.

CONTRACTOR CERTIFICATION must be a valid date format.

CERTIFICATION DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR CERTIFICATION must be a valid date format of the past or present but not the future.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CERTIFICATION DATE.

CONTRACTOR CERTIFICATION must be a valid date format.

TRANSACTION ERROR - CERTIFICATION DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR CERTIFICATION must be a valid date format of the past or present but not the future.

8.1.13 **CONTRACTOR DECERTIFICATION**

CONTRACTOR DECERTIFICATION is the date a Contractor is recorded by a State as losing State Certification to remove Asbestos under the provision of the Asbestos Hazard Emergency Response ACT (AHERA).

Attributes: 6 digit code
 Not Required

Coding Instructions:

Online: Screen 308

In the 'CONTRACTOR DECERTIFICATION' field found in the AFS Asbestos Contractor Information screen, enter a **CONTRACTOR DECERTIFICATION**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Batch: Transaction type 50, Sequence #4

In columns 53 - 58, enter a **CONTRACTOR DECERTIFICATION**. Valid date format is Year-Year-Month-Month-Day-Day (YYMMDD).

Online Error Messages:

INVALID DECERTIFICATION DATE.

CONTRACTOR DECERTIFICATION must be a valid date format.

DECERTIFICATION DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR DECERTIFICATION must be a valid date format of the past or present but not the future.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID LISTING DATE.

CONTRACTOR DECERTIFICATION must be a valid date format.

TRANSACTION ERROR - DECERTIFICATION DATE CAN NOT BE IN THE FUTURE.

CONTRACTOR DECERTIFICATION must be a valid date format of the past or present but not the future.

8.2 Update AFS Asbestos Landfill

Data pertaining to the EPA asbestos landfills receiving asbestos from AFS Renovation/Demolition projects are maintained in asbestos landfill records.

8.2.1 Common Data Fields

The data field **LANDFILL EPA ID** is common to all AFS Asbestos Landfill update transactions.

Attributes: 12 digit code
Required

Coding Instructions:

Online: Screen 309

In the 'LANDFILL EPA ID' field found in the AFS Asbestos Landfill Information screen, enter up to twelve alphanumeric characters for **LANDFILL EPA ID**.

Batch: Transaction type 51, Sequence #1-3

In columns 14 - 25, enter up to twelve alphanumeric characters for **LANDFILL EPA ID**.

Online Error Messages:

LANDFILL ID IS REQUIRED.

LANDFILL EPA ID must be entered in order to update an Asbestos Landfill.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LANDFILL ID IS REQUIRED.

LANDFILL EPA ID must be entered in order to update an Asbestos Landfill.

8.2.2 **LANDFILL NAME**

LANDFILL NAME is the Name associated with an Asbestos Landfill.

Attributes: 40 digit code
Required

Coding Instructions:

Online: Screen 309

In the 'LANDFILL NAME' field found in the AFS Asbestos Landfill Information screen, enter up to 40 alphanumeric characters for **LANDFILL NAME**.

Batch: Transaction type 51, Sequence #1

In columns 26 - 65, enter up to 40 alphanumeric characters for **LANDFILL NAME**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.2.3 LANDFILL ADDRESS

LANDFILL ADDRESS is the Street Address of the Asbestos Landfill.

Attributes: 30 digit code
 Required

Coding Instructions:

Online: Screen 308

In the 'LANDFILL ADDRESS' field found in the AFS Asbestos Landfill Information screen, enter up to thirty alphanumeric characters for **LANDFILL ADDRESS**.

Batch: Transaction type 51, Sequence #2

In columns 26 - 55, enter up to thirty alphanumeric characters for **LANDFILL ADDRESS**.

Online Error Messages:

STREET ADDRESS IS REQUIRED.

LANDFILL ADDRESS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STREET ADDRESS IS REQUIRED.

LANDFILL ADDRESS must be entered.

8.2.4 **LANDFILL CITY NAME**

LANDFILL CITY NAME is the name of the City or Town in which the Asbestos Landfill is located.

Attributes: 30 digit code
Required

Coding Instructions:

Online: Screen 309

In the 'LANDFILL CITY NAME' field found in the AFS Asbestos Landfill Information screen, enter up to thirty alphanumeric characters for **LANDFILL CITY NAME**.

Batch: Transaction type 51, Sequence #3

In columns 26 - 55, enter up to thirty alphanumeric characters for **LANDFILL CITY NAME**.

Online Error Messages:

CITY NAME IS REQUIRED.

LANDFILL CITY NAME must be entered in order to update an Asbestos Landfill.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CITY NAME IS REQUIRED.

LANDFILL CITY NAME must be entered in order to update an Asbestos Landfill.

8.2.5 LANDFILL STATE ABBREVIATION

LANDFILL STATE ABBREVIATION is a two-character Postal Abbreviation Code identifying a State.

Attributes: 2 digit code
Required

Coding Instructions:

Online: Screen 309

In the 'LANDFILL STATE ABBREVIATION' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL STATE ABBREVIATION** from the list below.

Batch: Transaction type 51, Sequence #3

In columns 56 - 57, enter a **LANDFILL STATE ABBREVIATION**. Valid values are as follows:

AL - ALABAMA	ME - MAINE	PA - PENNSYLVANIA
AK - ALASKA	MD - MARYLAND	PR - PUERTO RICO
AZ - ARIZONA	MA - MASSACHUSETTS	RI - RHODE ISLAND
AR - ARKANSAS	MI - MICHIGAN	SC - S. CAROLINA
CA - CALIFORNIA	MN - MINNESOTA	SD - S. DAKOTA
CO - COLORADO	MS - MISSISSIPPI	TN - TENNESSEE
CT - CONNECTICUT	MO - MISSOURI	TX - TEXAS
DE - DELAWARE	MT - MONTANA	UT - UTAH
DC - DIST. OF COLUMBIA	NE - NEBRASKA	VA - VIRGINIA
FL - FLORIDA	NV - NEVADA	VT - VERMONT
GA - GEORGIA	NH - NEW HAMPSHIRE	WA - WASHINGTON
HI - HAWAII	NJ - NEW JERSEY	WV - W. VIRGINIA
ID - IDAHO	NM - NEW MEXICO	WI - WISCONSIN
IL - ILLINOIS	NY - NEW YORK	WY - WYOMING
IN - INDIANA	NC - N. CAROLINA	AS - AMER. SAMOA
IA - IOWA	ND - N. DAKOTA	GU - GUAM
KS - KANSAS	OH - OHIO	VI - VIRGIN ISLES
KY - KENTUCKY	OK - OKLAHOMA	TT - TRUST
LA - LOUISIANA	OR - OREGON	TERRITORIES

Online Error Messages:

INVALID STATE.

STATE CODE must be a valid value as listed above.

STATE ABBREVIATION IS REQUIRED.

STATE CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

STATE CODE must be a valid value as listed above.

TRANSACTION ERROR - STATE ABBREVIATION IS REQUIRED.

STATE CODE must be entered.

8.2.6 **LANDFILL ZIP CODE**

LANDFILL ZIP CODE is the Zip Code for an Asbestos Landfill.

Attributes: 9 digit code
 Required

Coding Instructions:

Online: Screen 309

In the 'LANDFILL ZIP CODE' field found in the AFS Asbestos Landfill Information screen, enter a five or nine digit **LANDFILL ZIP CODE**.

Batch: Transaction type 51, Sequence #3

In columns 58 - 66, enter a five or nine digit **LANDFILL ZIP CODE**.

Online Error Messages:

ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

LANDFILL ZIP CODE must be a valid numeric value of five or nine digits.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

LANDFILL ZIP CODE must be a valid numeric value of five or nine digits.

8.3 Update AFS Asbestos Performance

Data pertaining to asbestos contractor performance are maintained in the Asbestos Performance records.

8.3.1 Common Data Fields

The data fields in this section, **POINT NUMBER** and **COMPLIANCE/EMISSIONS IDENTIFIER** serve as the common data elements to associate all related AFS Asbestos Performance records and therefore must be referenced in all batch update transactions.

8.3.1.1 POINT NUMBER

POINT NUMBER is a three-character number which uniquely identifies each point at a facility where asbestos renovation/demolition work has occurred.

Attributes: 3 character code
Required

Coding Instructions:

Enter the number which identifies the point at a facility when the asbestos performance occurred.

Online: Screen 310

In the 'POINT ID' field found on the AFS Asbestos Performance Information screen, enter a valid 3 character code for **POINT NUMBER**.

Batch: Transaction type 52, Sequence #1-9

In columns 14-16, enter a valid 3 character code for **POINT NUMBER**.

Online Error Messages:

POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - POINT NUMBER IS REQUIRED.

POINT NUMBER must be entered.

TRANSACTION ERROR - INVALID POINT.

POINT NUMBER must be a valid alphanumeric value.

8.3.1.2 COMPLIANCE/EMISSIONS IDENTIFIER

COMPLIANCE/EMISSIONS IDENTIFIER is a one-character field used to distinguish emission point numbers (E), compliance point numbers (C), and merged point numbers (M).

Attributes: 1 character code
Required

Coding Instructions:

Online: Screen 310

In the 'COMPLIANCE/EMISSIONS IDENTIFIER' field found on the AFS Asbestos Performance Information screen, enter a valid 1 character code for **COMPLIANCE/EMISSIONS IDENTIFIER** from the list below.

Batch: Transaction type 52, Sequence #1-9

For Compliance plants, in column 17, enter a 'C' for **COMPLIANCE/EMISSIONS IDENTIFIER**.

C - COMPLIANCE
E - EMISSION
M - MERGED

Definitions:

EMISSIONS POINT -

An emissions point maintains only emissions inventory data.

COMPLIANCE POINT -

A compliance point maintains only compliance related data.

MERGED POINT -

A merged point maintains both compliance and emissions inventory data.

Online Error Messages:

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

Batch Transaction Report Error Messages:

TRANSACTION ERROR - COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M' to distinguish emission point numbers (E), from compliance point numbers (C), and merged point numbers (M).

8.3.1.3 **CONTRACTOR COMPLIANCE STATUS**

CONTRACTOR COMPLIANCE STATUS is a one-character code which indicates whether a Contractor involved in an Asbestos Abatement Activity is in compliance, not in compliance, or has an unknown compliance status.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'CONTRACTOR COMPLIANCE STATUS' field found in the AFS Asbestos Performance Information screen, enter a **CONTRACTOR COMPLIANCE STATUS** from the list below.

Batch: Transaction type 52, Sequence #1-9

In column 18, enter a **CONTRACTOR COMPLIANCE STATUS**. Valid values are as follows:

- 0 - UNKNOWN COMPLIANCE STATUS
- 1 - IN VIOLATION - NO SCHEDULE
- 2 - IN COMPLIANCE - SOURCE TEST
- 3 - IN COMPLIANCE - INSPECTION
- 4 - IN COMPLIANCE - CERTIFICATION
- 5 - MEETING COMPLIANCE SCHEDULE
- 6 - IN VIOLATION - NOT MEETING SCHEDULE
- 7 - IN VIOLATION - UNKNOWN WITH REGARD TO SCHEDULE
- 8 - NO APPLICABLE STATE REGULATION
- 9 - IN COMPLIANCE - SHUT DOWN
- A - UNKNOWN WITH REGARD TO PROCEDURAL COMPLIANCE
- B - IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
- C - IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
- M - IN COMPLIANCE - CEMS
- W - IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE
- Y - UNKNOWN WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE

Online Error Messages:

INVALID CONTRACTOR COMPLIANCE STATUS.

CONTRACTOR COMPLIANCE STATUS must be a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID CONTRACTOR COMPLIANCE STATUS.

CONTRACTOR COMPLIANCE STATUS must be a valid value as listed above.

8.3.1.4 **CONTRACTOR ID**

CONTRACTOR ID is a State User-Defined Identification Number used to identify Asbestos Contractors within a State.

Attributes: 12 digit code
 Required (Optional for Actions)

Coding Instructions:

Online: Screen 310

In the 'CONTRACTOR ID' field found in the AFS Asbestos Performance Information screen, enter up to twelve alphanumeric characters for **CONTRACTOR ID**.

Batch: Transaction type 52, Sequence #1-9

In columns 20-31, enter up to twelve alphanumeric characters for **CONTRACTOR ID**.

Online Error Messages:

STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

CONTRACTOR ID must be entered with State Code.

CONTRACTOR ID IS REQUIRED.

CONTRACTOR ID must be entered in order to update an Asbestos Performance.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STATE AND CONTRACTOR ID ARE BOTH REQUIRED.

CONTRACTOR ID must be entered with State Code.

TRANSACTION ERROR - CONTRACTOR ID IS REQUIRED.

CONTRACTOR ID must be entered in order to update an Asbestos Performance.

8.3.2 BUILDING OWNER OPERATOR

BUILDING OWNER OPERATOR is the name of the Owner or Operator of the Facility where Asbestos Demo/Reno Activities are being performed.

Attributes: 25 digit code
Not Required

Coding Instructions:

Online: Screen 310

In the 'BUILDING OWNER OPERATOR' field found in the AFS Asbestos Performance Information screen, enter up to twenty-five alphanumeric characters for **BUILDING OWNER OPERATOR**.

Batch: Transaction type 52, Sequence #1

In columns 32-56, enter up to twenty-five alphanumeric characters for **BUILDING OWNER OPERATOR**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.3.3 BUILDING OWNER STATE CODE

BUILDING OWNER STATE CODE is a two-character FIPS Code identifying the State where the owner or operator of a facility in which Asbestos abatement activities are being performed, maintains his/her primary business office.

Attributes: 2 character code
Not required

Coding Instructions:

Online: Screen 310

In the 'CONTRACTOR STATE CODE' field found on the AFS Asbestos Performance Information screen, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

Batch: Transaction type 52, Sequence #1

In columns 57-58, enter a valid 2 character value for **CONTRACTOR STATE CODE** from the list below.

01 - ALABAMA	23 - MAINE	42 - PENNSYLVANIA
02 - ALASKA	24 - MARYLAND	44 - RHODE ISLAND
04 - ARIZONA	25 - MASSACHUSETTS	45 - S. CAROLINA
05 - ARKANSAS	26 - MICHIGAN	46 - S. DAKOTA
06 - CALIFORNIA	27 - MINNESOTA	47 - TENNESSEE
08 - COLORADO	28 - MISSISSIPPI	48 - TEXAS
09 - CONNECTICUT	29 - MISSOURI	49 - UTAH
10 - DELAWARE	30 - MONTANA	50 - VERMONT
11 - DIST. OF COLUMBIA	31 - NEBRASKA	51 - VIRGINIA
12 - FLORIDA	32 - NEVADA	53 - WASHINGTON
13 - GEORGIA	33 - NEW HAMPSHIRE	54 - W. VIRGINIA
15 - HAWAII	34 - NEW JERSEY	55 - WISCONSIN
16 - IDAHO	35 - NEW MEXICO	56 - WYOMING
17 - ILLINOIS	36 - NEW YORK	60 - AMER. SAMOA
18 - INDIANA	37 - N. CAROLINA	66 - GUAM

19 - IOWA	38 - N. DAKOTA	72 - PUERTO RICO
20 - KANSAS	39 - OHIO	78 - VIRGIN ISLANDS
21 - KENTUCKY	40 - OKLAHOMA	88 - TRUST TERRITORIES
22 - LOUISIANA	41 - OREGON	

Definitions:

FIPS - Federal Identification Program System - a unique coding system devised by the federal government and used by its various agencies to provide standard identification numbers for commonly referenced data such as states, counties, etc.

Online Error Messages:

INVALID STATE.

BUILDING OWNER STATE CODE must be from the list above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

BUILDING OWNER STATE CODE must be from list above.

8.3.4 BUILDING OWNER ZIP CODE

BUILDING OWNER ZIP CODE is the Zip Code for the Location of the Owner or Operator of a Facility where Asbestos Demo/Reno Activities are being Performed.

Attributes: 9 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'BUILDING OWNER ZIP CODE' field found in the AFS Asbestos Performance Information screen, enter a five or nine digit **BUILDING OWNER ZIP CODE**.

Batch: Transaction type 52, Sequence #1

In columns 59-67, enter a five or nine digit **BUILDING OWNER ZIP CODE**.

Online Error Messages:

ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

BUILDING OWNER ZIP CODE must be a valid numeric value of five or nine digits.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE MUST BE NUMERIC 0 FORMAT 99999-9999.

BUILDING OWNER ZIP CODE must be a valid numeric value of five or nine digits.

8.3.5 **BUILDING OWNER STREET ADDRESS**

BUILDING OWNER STREET ADDRESS is the Street Address of the Owner or Operator of the Facility where Asbestos Demo/Reno Activities are being performed.

Attributes: 30 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'BUILDING OWNER STREET ADDRESS' field found in the AFS Asbestos Performance Information screen, enter up to thirty alphanumeric characters for **BUILDING OWNER STREET ADDRESS**.

Batch: Transaction type 52, Sequence #2

In columns 32-61, enter up to thirty alphanumeric characters for **BUILDING OWNER STREET ADDRESS**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.3.6 BUILDING OWNER CITY NAME

BUILDING OWNER CITY NAME is the City in which the Owner or Operator of an Asbestos Demo/Reno Facility is located.

Attributes: 29 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'BUILDING OWNER CITY NAME' field found in the AFS Asbestos Performance Information screen, enter up to twenty-nine alphanumeric characters for **BUILDING OWNER CITY NAME**.

Batch: Transaction type 52, Sequence #3

In columns 32-55, enter up to twenty-nine alphanumeric characters for **BUILDING OWNER CITY NAME**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.3.7 CONTRACTOR OWNER OPERATOR

CONTRACTOR OWNER OPERATOR is the name of the Owner or Operator of the Contracting Company performing Asbestos Demo/Reno work.

Attributes: 25 digit code
Not Required

Coding Instructions:

Online: Screen 310

In the 'CONTRACTOR OWNER OPERATOR' field found in the AFS Asbestos Performance Information screen, enter up to twenty-five alphanumeric characters for **CONTRACTOR OWNER OPERATOR**.

Batch: Transaction type 52, Sequence #3

In columns 32 - 55, enter up to twenty-five alphanumeric characters for **CONTRACTOR OWNER OPERATOR**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.3.8 **ASBESTOS REMOVED LINEAR FEET**

ASBESTOS REMOVED LINEAR FEET is the Quantity of Asbestos Removed, in terms of Linear Feet on pipes, from an Asbestos Demo/Reno Site.

Attributes: 7 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'ASBESTOS REMOVED LINEAR FEET' field found in the AFS Asbestos Performance Information screen, enter an **ASBESTOS REMOVED LINEAR FEET** of 1 - 9999999.

Batch: Transaction type 52, Sequence #4

In columns 32 - 38, enter an **ASBESTOS REMOVED LINEAR FEET** of 1 - 9999999.

Online Error Messages:

LINEAR FEET MUST BE NUMERIC - FORMAT 99999999.

ASBESTOS REMOVED LINEAR FEET must be a valid numeric digit between 1 and 9,999,999.

INVALID LINEAR FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED LINEAR FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LINEAR FEET MUST BE NUMERIC - FORMAT 9999999.

ASBESTOS REMOVED LINEAR FEET must be a valid numeric digit between 1 and 9,999,999.

TRANSACTION ERROR - INVALID LINEAR FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED LINEAR FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

8.3.9 ASBESTOS REMOVED SQUARE FEET

ASBESTOS REMOVED SQUARE FEET is the quantity of Asbestos Removed, in terms of Square Feet for Surface Areas, from an Asbestos Demo/Reno Site.

Attributes: 7 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'ASBESTOS REMOVED SQUARE FEET' field found in the AFS Asbestos Performance Information screen, enter a **ASBESTOS REMOVED SQUARE FEET** of 1 - 9999999.

Batch: Transaction type 52, Sequence #4

In columns 39 - 45, enter a **ASBESTOS REMOVED SQUARE FEET** of 1 - 9999999.

Online Error Messages:

SQUARE FEET MUST BE NUMERIC - FORMAT 99999999.

ASBESTOS REMOVED SQUARE FEET must be a valid numeric digit between 1 and 9,999,999.

INVALID SQUARE FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED SQUARE FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - SQUARE FEET MUST BE NUMERIC - FORMAT 99999999.

ASBESTOS REMOVED SQUARE FEET must be a valid numeric digit between 1 and 9,999,999.

TRANSACTION ERROR - INVALID SQUARE FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED SQUARE FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

8.3.10 **ASBESTOS REMOVED CUBIC FEET**

ASBESTOS REMOVED CUBIC FEET is the quantity of Asbestos Removed, in terms of Cubic Feet for Surface Areas, from an Asbestos Demo/Reno Site.

Attributes: 7 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'ASBESTOS REMOVED CUBIC FEET' field found in the AFS Asbestos Performance Information screen, enter an **ASBESTOS REMOVED CUBIC FEET** of 1 - 9999999.

Batch: Transaction type 52, Sequence #4

In columns 46 - 52, enter an **ASBESTOS REMOVED CUBIC FEET** of 1 - 9999999.

Online Error Messages:

CUBIC FEET MUST BE NUMERIC - FORMAT 99999999.

ASBESTOS REMOVED CUBIC FEET must be a valid numeric digit between 1 and 9,999,999.

INVALID CUBIC FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED CUBIC FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CUBIC FEET MUST BE NUMERIC - FORMAT 99999999.

ASBESTOS REMOVED CUBIC FEET must be a valid numeric digit between 1 and 9,999,999.

TRANSACTION ERROR - INVALID CUBIC FEET - EMBEDDED/LEADING BLANKS NOT ALLOWED.

ASBESTOS REMOVED CUBIC FEET must be a valid numeric digit between 1 and 9,999,999 with out and blanks.

8.3.11 ASBESTOS REMOVAL METHOD 1,2 AND/OR 3

ASBESTOS REMOVAL METHOD 1,2 AND/OR 3 is a one-character code used by the system to generate Asbestos Method Removal Description. Up to 3 methods may be indicated for each performance activity record.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'ASBESTOS REMOVAL METHOD 1' field found in the AFS Asbestos Performance Information screen, enter an **ASBESTOS REMOVAL METHOD 1,2 AND/OR 3** from the list below.

When updating method = Z, users must enter a method code description (see 8.3.13).

Batch: Transaction type 52,54, and/or 55, Sequence #4

In column 53, enter a **ASBESTOS REMOVAL METHOD 1,2 AND/OR 3**. Valid values are as follows:

- A - WET REMOVAL BEFORE DEMOLITION
- B - ADEQUATELY WET COMPONENTS REMOVED AS UNITS
- C - ADEQUATELY WET ACM/STRIPPED
- D - ADMINISTRATOR-APPROVED DRY REMOVAL
- E - COMPONENTS REMOVED AT BELOW 32°F
- F - WET METHOD & ENCLOSURE (GROSS REMOVAL)
- G - GLOVE BAG OR MINI ENCLOSURE
- H - REMOVED WET WITH CLEARANCE TEST
- I - EMERGENCY & GOVERNMENT ORDERED REMOVAL
- Z - OTHER

Online Error Messages:

INVALID REMOVAL METHOD CODE.

ASBESTOS REMOVAL METHOD 1,2,3 must a valid value as listed above.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID REMOVAL METHOD CODE.

ASBESTOS REMOVAL METHOD 1,2,3 must a valid value as listed above.

8.3.12 DISPOSAL SITE UNKNOWN

DISPOSAL SITE UNKNOWN is a one-character code indicating the Disposal Site associated with an Asbestos Demo/Reno Activity is UNKNOWN.

Attributes: 1 digit code
 Not Required

Coding Instructions:

Online: Screen 310

In the 'DISPOSAL SITE UNKNOWN' field found in the AFS Asbestos Performance Information screen, enter a 'Y' for yes or 'N' for no for **DISPOSAL SITE UNKNOWN**.

Batch: Transaction type 52, Sequence #4

In column 56, enter a 'Y' for yes or 'N' for no for **DISPOSAL SITE UNKNOWN**.

Online Error Messages:

VALUE MUST BE 'Y' OR 'N'.

DISPOSAL SITE UNKNOWN must be a valid value either 'Y' for yes or 'N' for no.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - VALUE MUST BE 'Y' OR 'N'.

DISPOSAL SITE UNKNOWN must be a valid value either 'Y' for yes or 'N' for no.

8.3.13 ASBESTOS METHOD REMOVAL DESCRIPTION

ASBESTOS METHOD REMOVAL DESCRIPTION is a twenty-five character description of the removal method relating to an Asbestos Removal Method Code. **ASBESTOS METHOD REMOVAL DESCRIPTION** is either system generated or entered by the user. For all methods previously defined by the system and represented by a valid ASBESTOS REMOVAL CODE, a description is automatically entered corresponding to the code. However, the description must be entered manually by the user when an ASBESTOS REMOVAL METHOD CODE has been indicated by the letter "Z" which represents a method not previously specified in AFS.

Attributes: 25 digit code
Not required

Coding Instructions:

Online: Screen 310

In the 'ASBESTOS METHOD REMOVAL DESCRIPTION' field found in the AFS Asbestos Performance Information screen, enter up to twenty-five alphanumeric characters for **ASBESTOS METHOD REMOVAL DESCRIPTION**.

Batch: Transaction type 52, Sequence #5

In columns 32 - 56, enter up to twenty-five alphanumeric characters for **ASBESTOS METHOD REMOVAL DESCRIPTION**.

Online Error Messages:

METHOD DESCRIPTION NOT ALLOWED UNLESS METHOD CODE = Z

ASBESTOS METHOD REMOVAL DESCRIPTION can only be entered when an Asbestos Method Removal Code is "Z".

METHOD DESCRIPTION MUST BE ENTERED FOR METHOD CODE = Z

ASBESTOS METHOD REMOVAL DESCRIPTION must be entered when Asbestos Removal Method Code is "Z".

Batch Transaction Report Error Messages:

TRANSACTION ERROR - METHOD DESCRIPTION NOT ALLOWED UNLESS METHOD CODE = Z

ASBESTOS METHOD REMOVAL DESCRIPTION can only be entered when an Asbestos Method Removal Code is "Z".

TRANSACTION ERROR - METHOD DESCRIPTION MUST BE ENTERED FOR METHOD CODE = Z

ASBESTOS METHOD REMOVAL DESCRIPTION must be entered when Asbestos Removal Method Code is "Z".

8.3.14 LANDFILL STATE ABBREVIATION

LANDFILL STATE ABBREVIATION is a two-character Postal Abbreviation Code identifying a landfill State.

Attributes: 2 digit code
Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL STATE ABBREVIATION' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL STATE ABBREVIATION** from the list below.

Batch: Transaction type 52, Sequence #5

In columns 57-58, enter a **LANDFILL STATE ABBREVIATION**. Valid values are as follows:

AL - ALABAMA	ME - MAINE	PA - PENNSYLVANIA
AK - ALASKA	MD - MARYLAND	PR - PUERTO RICO
AZ - ARIZONA	MA - MASSACHUSETTS	RI - RHODE ISLAND
AR - ARKANSAS	MI - MICHIGAN	SC - S. CAROLINA
CA - CALIFORNIA	MN - MINNESOTA	SD - S. DAKOTA
CO - COLORADO	MS - MISSISSIPPI	TN - TENNESSEE
CT - CONNECTICUT	MO - MISSOURI	TX - TEXAS
DE - DELAWARE	MT - MONTANA	UT - UTAH
DC - DIST. OF COLUMBIA	NE - NEBRASKA	VA - VIRGINIA
FL - FLORIDA	NV - NEVADA	VT - VERMONT
GA - GEORGIA	NH - NEW HAMPSHIRE	WA - WASHINGTON
HI - HAWAII	NJ - NEW JERSEY	WV - W. VIRGINIA
ID - IDAHO	NM - NEW MEXICO	WI - WISCONSIN
IL - ILLINOIS	NY - NEW YORK	WY - WYOMING
IN - INDIANA	NC - N. CAROLINA	AS - AMER. SAMOA
IA - IOWA	ND - N. DAKOTA	GU - GUAM
KS - KANSAS	OH - OHIO	VI - VIRGIN ISLES
KY - KENTUCKY	OK - OKLAHOMA	TT - TRUST
LA - LOUISIANA	OR - OREGON	TERRITORIES

Online Error Messages:

INVALID STATE.

STATE CODE must be a valid value as listed above.
STATE ABBREVIATION IS REQUIRED.

STATE CODE must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - INVALID STATE.

STATE CODE must be a valid value as listed above.
TRANSACTION ERROR - STATE ABBREVIATION IS REQUIRED.

STATE CODE must be entered.

8.3.15 **LANDFILL NAME**

LANDFILL NAME is the Name associated with an Asbestos Landfill.

Attributes: 40 digit code
Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL NAME' field found in the AFS Asbestos Landfill Information screen, enter up to forty alphanumeric characters for **LANDFILL NAME**.

Batch: Transaction type 52, Sequence #6

In columns 32 - 72, enter up to forty alphanumeric characters for **LANDFILL NAME**.

Online Error Messages:

None.

Batch Transaction Report Error Messages:

TRANSACTION ACCEPTED - NO ERRORS.

None.

8.3.16 **LANDFILL EPA ID 1**

Up to 3 EPA approved landfill ID's may be entered as the site at which the asbestos removal in the performance record was land filled.

LANDFILL EPA ID 1 is a twelve-character EPA assigned number identifying an Asbestos Landfill. A list of EPA Landfills is maintained on-line in AFS and can be reviewed through AFS Browse.

Attributes: 12 digit code
 Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL EPA ID 1' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL EPA ID 1**.

Batch: Transaction type 52, Sequence #7

In columns 32 - 43, enter a **LANDFILL EPA ID 1**.

Online Error Messages:

LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 1 must be entered in order to update an Asbestos Performance.

FIRST LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 1 must exist before you can update an Asbestos Landfill.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 1 must be entered in order to update an Asbestos Performance.

TRANSACTION ERROR - FIRST LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 1 must exist before you can update an Asbestos Landfill.

8.3.17 **LANDFILL EPA ID 2**

LANDFILL EPA ID 2 is a twelve-character EPA assigned number identifying an Asbestos Landfill. A list of EPA Landfills is maintained on-line in AFS and can be reviewed through AFS Browse.

Attributes: 12 digit code
 Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL EPA ID 2' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL EPA ID 2**.

Batch: Transaction type 52, Sequence #7

In columns 44 - 55, enter a **LANDFILL EPA ID 2**.

Online Error Messages:

LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 2 must be entered in order to update an Asbestos Performance.

SECOND LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 2 must exist before you can update an Asbestos Landfill.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 2 must be entered in order to update an Asbestos Performance.

TRANSACTION ERROR - SECOND LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 2 must exist before you can update an Asbestos Landfill.

8.3.18 LANDFILL EPA ID 3

LANDFILL EPA ID 3 is a twelve-character EPA assigned number identifying an Asbestos Landfill. A list of EPA Landfills is maintained on-line in AFS and can be reviewed through AFS Browse. Up to 3 EPA

Attributes: 12 digit code
Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL EPA ID 3' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL EPA ID 3**.

Batch: Transaction type 52, Sequence #7

In columns 56 - 67, enter a **LANDFILL EPA ID 3**.

Online Error Messages:

LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 3 must be entered in order to update an Asbestos Performance.

THIRD LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 3 must exist before you can update an Asbestos Landfill.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - LANDFILL ID IS REQUIRED.

LANDFILL EPA ID 3 must be entered in order to update an Asbestos Performance.
TRANSACTION ERROR - THIRD LANDFILL EPA ID DOES NOT EXITS.

LANDFILL EPA ID 3 must exist before you can update an Asbestos Landfill.

8.3.19 LANDFILL ADDRESS

LANDFILL ADDRESS is the Street Address of the Asbestos Landfill.

Attributes: 30 digit code
Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL ADDRESS' field found in the AFS Asbestos Landfill Information screen, enter up to thirty alphanumeric characters for **LANDFILL ADDRESS**.

Batch: Transaction type 52, Sequence #8

In columns 32 - 61, enter up to thirty alphanumeric characters for **LANDFILL ADDRESS**.

Online Error Messages:

STREET ADDRESS IS REQUIRED.

LANDFILL ADDRESS must be entered.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - STREET ADDRESS IS REQUIRED.

LANDFILL ADDRESS must be entered.

8.3.20 **LANDFILL CITY NAME**

LANDFILL CITY NAME is the name of the City or Town in which the Asbestos Landfill is located.

Attributes: 30 digit code
Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL CITY NAME' field found in the AFS Asbestos Landfill Information screen, enter up to thirty alphanumeric characters for **LANDFILL CITY NAME**.

Batch: Transaction type 52, Sequence #9

In columns 32 - 61, enter up to thirty alphanumeric characters for **LANDFILL CITY NAME**.

Online Error Messages:

CITY NAME IS REQUIRED.

LANDFILL CITY NAME must be entered in order to update an Asbestos Performance.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - CITY NAME IS REQUIRED.

LANDFILL CITY NAME must be entered in order to update an Asbestos Performance.

8.3.21 **LANDFILL ZIP CODE**

LANDFILL ZIP CODE is the Zip Code for an Asbestos Landfill.

Attributes: 9 digit code
 Required

Coding Instructions:

Online: Screen 310

In the 'LANDFILL ZIP CODE' field found in the AFS Asbestos Landfill Information screen, enter a **LANDFILL ZIP CODE**. Valid values are a five or nine numeric code.

Batch: Transaction type 52, Sequence #9

In columns 62 - 70, enter a **LANDFILL ZIP CODE**. Valid values are a five or nine numeric code.

Online Error Messages:

ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

LANDFILL ZIP CODE must be a valid numeric value of five or nine digits.

Batch Transaction Report Error Messages:

TRANSACTION ERROR - ZIP CODE MUST BE NUMERIC - FORMAT 99999-9999.

LANDFILL ZIP CODE must be a valid numeric value of five or nine digits.

9.0 Other Coding Support Features

AFS offers a variety of features useful to users in the coding and updating of the database.

9.1 BROWSE

Browse allows users to review online the data in the database, and to determine if data need to be added, changed or deleted. Users utilize browse screens to select either specific records --as identified by key data-- or common groupings of records. Selected records are presented on screens containing the same data elements as their online update counterparts, with the addition in browse of descriptions of all coded values contained on the record. Browse presents records in keeping with online update structure of AFS: screens are organized by plant, stack, point and segment levels, and are accessed through browse menus comparable to those used to access online update screens.

Browse is accessed from selection 2 of the AFS Main Menu. After specifying the plant of interest in the plant ID screen, users will then be presented with the Browse Menu (Figure 9.1), from which the plant, stack, point or segment level of data may be selected. The level selection takes the user to the menu appropriate for that level. Figure 9.2 presents the Browse Plant Information menu. Users may specify which type of plant records they want, either by entering the menu selection in the "Enter Menu Selection" field, or by entering the appropriate browse screen number in the "Next Screen" field. Browse screen numbers are displayed in brackets next to each record type menu selection.

Once the record type or browse screen is entered, users will be presented with a selection screen appropriate for the record. Browse selection screens allow users to identify specific, category or all records. Figure 9.3, the selection screen for Browse Plant Air Program Pollutant information illustrates the function of browse selection screens:

Specific records are selected by entering key data for the record. In Figure 9.3, entering the air program code '0' and pollutant code 'PT' in the indicated fields will retrieve only the plant pollutant record for total particulate matter ('PT') as measured under the State Implementation Plan air program ('0').

Categories of records are selected by indicating a category appropriate to the record type. By indicating air program code '0' in the browse air program pollutant selection screen (Figure 9.3), all plant pollutant records associated with that air program will be displayed.

All records of the type selected from the level menu can be retrieved by entering no selection criteria in the browse selection screen.

If no records are found on the database, users will be returned from the selection screen to the menu from which they specified the record type. Multiple records are displayed one at a time. Users may scroll through them by hitting <enter>, PF8 (page forward) or PF7 (page back). Following the display of the last record found, users will be returned to the initiating menu.

Browse also supports a plant summary screen, on which is displayed tallies of certain types of records and other data of general interest about the plant. Figure 9.4 displays a plant summary screen, which can be generated by selecting option 11 from the Browse Plant Information screen, or entering '509' in the Next Screen field on that menu.

9.2 HELP FUNCTION

AFS offers users an online Help function. By placing a "?" in the first character of any AFS update, browse or reports data field, users will be shown a screen explaining the data field's definition and use, and all coded values appropriate for the data field. Users may select a desired value from the displayed list by tabbing down to the value and <enter>, which will return the user to the update, browse or reports screen with the selected value automatically filled in the data field.

9.3 DELETING DATA

AFS data may be deleted through the use of an online utility or the submittal of batch transactions with an update code of "D". Regardless of the method used to effect a delete, users must be aware of the potential for multiple-record deletions due to the associations of records in the AFS hierarchical data structure. For example, users specifying the deletion of a specific point general record must realize that all records associated with that point -- such as point actions, point pollutants and point comments-- will also be deleted through the deletion of the primary point record. Additionally, deletions of specific records that are used in aggregating formulas, such as segment pollutants (which aggregate to point and plant pollutant levels), will result in both the deletion of the record from the database and its contribution to the aggregating formula.

Deletion of the following record types have secondary impacts in AFS, in addition to their removal from the database:

<u>Deleted Record</u>	<u>Impact</u>
Plant General	Deletion of all records for the plant
Plant Air Program	Deletion of all associated plant air program pollutant and plant action records. Plant actions with multiple air programs will remain, but the deleted air program will be deleted
Plant Actions	Deletion of associated plant action comment(s)
Stack General	Deletion of all records associated to the deleted stack; deletes link between stack and specified segment
Point General	Deletion of all records associated to the deleted point
Point Air Program	Deletion of all plant actions; point actions with multiple air programs will remain, but the deleted air program will be deleted; deletion from point continuous emissions EER record
Point Pollutant	Deletion of point pollutant estimated emissions from plant pollutant estimated emissions aggregation formula
Point Actions	Deletion of associated point action comment(s)
Segment General	Deletion of all records associated to the deleted segment; deletes link to specified stack
Segment Pollutant	Deletion of segment pollutant estimated emissions from point, stack and plant estimated emissions aggregation formula

It should be noted that plants possessing the following may not be deleted from the AFS database:

- C Monthly or quarterly compliance history data, or
- C Compliance actions with a 'Date Achieved' date that is less than three years from the current date

9.3.1 DELETING DATA ONLINE

Users may delete data online through the use of the AFS delete utility. AFS utilities are accessed from selection 4 of the AFS Main Menu, which presents the user with the Utility Selection Menu (Figure 9.4). Selecting "Delete Information", will bring the user to the delete menu, where the level of deletion is identified (plant, stack, point, segment).

The delete utility allows users to specify the deletion of a plant, a category of records within the plant, or a specific record. Figure 9.5 represents the delete plant level information screen. To delete all records for a plant, enter the CDS or NEDS plant ID in the appropriate field. To delete a category of records, such as all 1989 inventory year data, enter the plant ID and '89' in the appropriate fields. To delete a specific record, such as a comment tied to an action, enter the plant ID, action number and action comment number in the appropriate fields. When the data are entered, the user will be returned to the utility selection menu.

To delete specific fields, access the update screen for the data field, blank out the field and <enter>. Specific field deletions will only work on non-key or mandatory fields.

Because of the complex processing associated with deleting AFS data from the database, deletions are batch-processed each night. Users will receive confirmation of deletions through the batch processing utility report issued daily to each user of a batch process.

9.3.2 DELETING DATA THROUGH BATCH TRANSACTIONS

Batch users of AFS may also delete data through the submittal of batch transactions with the following characteristics:

Plant deletions are performed by entering the state, county and plant ID on a transaction 10, sequence 1 card, and an update code of 'D'. All records associated with the plant will be deleted.

Category/record deletions are performed by entering the state, county, plant ID, transaction type, sequence type and key data for the category record, and an update code of 'D'. Both the individual record identified by the key fields and all associated records will be deleted.

Data Field deletions are performed by entering the state, county, plant ID, transaction type, sequence type, and key data for the record, an '*' in the first character of the field to be deleted, and an update code of 'C'.

Users will receive confirmation of deletions through the batch processing utility report issued daily to each user of a batch process.

9.4 UNDELETE

AFS allows users to cancel deletion commands that have not yet been processed in that night's batch update processing. Undelete is accessed from selection 4 of the AFS utility menu (Figure 9.4). This selection will present users with a list of all deletion commands awaiting nightly batch processing (Figure 9.7). They may cancel a command by entering the number of the command displayed on the left-most column of the screen.

9.5 MERGING PLANTS

AFS supports the online merging of plants in the database through the use of the Merge Plants (Association) utility selection. Facilities in AFS are identified by their state and county codes, plus their compliance and or emissions plant ID. Because of historical separation between compliance and emissions databases and user groups, the same facility may be tracked as separate entities within AFS, each with the unique plant ID assigned by each type of user. Consequently, the same facility can be tracked in AFS with an emissions ID, and several compliance IDs unique to different regulatory programs. In those cases, much of the data maintained on the database is redundant, such as general plant information. Association eliminates redundant records, and stores unique records and data as identified by unique key data identifying each record.

Online plant merging is available through the Utility Selection Menu. AFS supports the

association of compliance plants -- which stores all compliance records under one common plant general record -- and compliance and emissions plants --which stores compliance and emissions records under one common plant general record.

To associate plants, enter the state code, county code and compliance and emissions plant IDs in the indicated fields. Plants to be associated must have the same state and county codes. Because of the large amount of processing required to perform an association, this function is processed during that evening's batch processing. Users will receive confirmation through the batch processing utility report issued daily to each user of a batch process.

9.6 UNMERGING PLANTS

AFS will support the unmerging of compliance to emissions plants for a period of ninety days following a compliance to emissions plant merge. The Unmerge Plants function is accessed from the AFS Utility menu. To unmerge plants, enter the state code, county code and plant ID for the compliance and emissions plants to be unmerged. Plants to be unmerged must exist on the merged plant holding file in AFS, that retains the emissions plant general data removed from the online database during the merge. These data are removed from the file ninety days after the merge is processed. The unmerging of compliance to compliance merges is not supported in AFS.

Users will receive confirmation of unmerges through the batch processing utility report issued daily to each user of a batch process.

9.7 MERGING POINTS

AFS supports the online and batch merging of point level information through the use of the Merge Points utility selection. The facility whose points are to be merged must be identified by the state, county and compliance or emissions plant ID. The point number that is entered first on the screen or in the batch card will become the point number identification for the merged point and will have a compliance emission identifier of "M".

When a "C" and "E" point are to be merged, "E's" fields will be moved to "C's" record and the compliance emission identifier of "C" will be changed to an "M". If the user only has an "E" point for their facility and has the need to add compliance information for the point, the "E" point can be merged to a non-existing "C" point. The "E" point description will be placed in the description field; and if no "E" description exists, the default description of "CREATED FROM MERGE" will be provided.

Because of the large amount of processing required to perform a merge, merges are processed during that evening's batch processing. Users will receive confirmation of merges through the batch processing utility report issued daily to each user of the batch process.

9.8 SOURCE SWAP

AFS Source Swap allows users to change the compliance or emissions plant ID for plants stored in the database. Figure 9.10 displays the Source Swap screen, which is accessed from the AFS Utility menu. To swap plant IDs, enter the state code, county code and compliance and emissions plant IDs in the indicated fields.

Plants to be swapped must have the same state and county codes.

Because of the large amount of processing required to perform a source swap, they are processed during that evening's batch processing. All records in the database possessing the old plant ID will have the new ID written to them, and the old ID will be eliminated.

Users will receive confirmation of source swaps through the batch processing utility report issued daily to each user of a batch process.

10.0 Operating Permit Transactions

AFS permitting supports data management and information needs associated with the administration of national, State, and local permit programs. Permitting agencies may store general information about applications submitted by facilities and draft permits. Agencies may also track events associated with determining application completeness, approving draft permits, and monitoring issued permits. Note that facilities must have merged emission and compliance data in AFS in order to enter Operating Permit information.

The online screens, batch transaction types, and associated data fields are:

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
AFS APPLICATION	350	A1
Application		
Application Category		
Application Type		
Partial Application Indicator		
Permit Authority Data Element 1		
Permit Authority Data Element 2		
Permit Authority Data Element 3		
Permit Authority Staff 1		
Permit Authority Staff 2		
Permit Authority Staff 3		
Reported Compliance Reason		
Reported Compliance Status		

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<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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AFS GENERAL INFORMATION - DRAFT PERMIT	351	A2
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Effective Date
 Expiration Date
 Modification/Renewal Effective Date
 Permit
 Permit Authority Data Element 1
 Permit Authority Data Element 2
 Permit Authority Data Element 3
 Permit Category
 Permit State Code
 Permit Workfile
 State Private Indicator

AFS APPLICATION ASSOCIATIONS - DRAFT PERMIT	360	A7
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Application
 Comment Indicator
 Permit

<u>AFS Record Type</u>	<u>Update Screen Number</u>	<u>Batch Transaction Type</u>
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AFS PERMIT ACTION

353

A8

Agency State Code
Agency State Notified
Application
Comment Indicator
Complaint ID
EPA Agency Notified
EPA Code
Local Control Region
Local Control Region Notified
Permit
Permit Action Data Element 1
Permit Action Data Element 2
Permit Action Data Element 3
Permit Action Description
Permit Action Number
Permit Action Type
Permit Date Achieved
Permit Date Scheduled
Permit Results Code
Permit Staff Name

AFS PLANT PERMIT COMMENTS

364

B9

Agency State Code
EPA Code
Local Control Region
Owner Private
Permit
Permit Comment
Permit Comment Number

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AFS <u>Record Type</u>	Update Screen <u>Number</u>	Batch Transaction <u>Type</u>
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AFS PERMIT ACTION COMMENTS

365

C1

Agency State Code
Application
EPA Code
Local Control Region
Owner Private
Permit
Permit Action Number
Permit Action Type
Permit Comment
Permit Comment Number

10.1 Update AFS Application

Information pertaining to a Permit application is either entered by selecting option 5 from the Plant Information Update Menu and option 1 from the Permit Administration Menu or submitting batch transaction type A1. Applications for permits to operate under both Title V and Non-Title V are supported. Applications may be entered for a new permit, a permit renewal, or a modification to an existing permit.

10.1.1 Common Data Field

The data field APPLICATION serves as the common data element to associate all information related to a permit application and therefore must be referenced in all application batch update transactions.

10.1.1.1 APPLICATION

APPLICATION is a user defined value to identify an application. The combination of facility and application uniquely identifies an application in AFS.

Attributes: 15 character alphanumeric
Required

Coding Instructions

To add an application, specify an application identifier that is unique to the facility.

Online: Screen 350

Enter a maximum of 15 characters in the 'APPLICATION' field found on the Applications screen.

Batch: Transaction type A1, Sequence #1-5

Enter a maximum of 15 characters in columns 24-38.

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Error Messages

APPLICATION ALREADY EXISTS.

When adding an application, the APPLICATION must not exist on the AFS Applications file for the entered facility.

APPLICATION DOES NOT EXIST.

When changing an application, the APPLICATION must exist on the AFS Applications file for the entered facility.

APPLICATION IS REQUIRED.

An APPLICATION must be entered.

PERMIT AUTHORITY NOT DEFINED.

For Title V applications, a permit authority must exist in the AFS Authority Permit table for the permit associated with the specified application, if applicable, or in the AFS Authority State table for the County or State in which the facility resides.

10.1.2 APPLICATION CATEGORY

APPLICATION CATEGORY is a code used to indicate the kind of application received by the permitting authority.

Attributes: 2 character alphanumeric
 Required

Coding Instructions

Online: Screen 350

Enter a 2 character value in the 'APPLICATION CATEGORY' field found on the Applications screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A1, Sequence #1

Enter a 2 character value in columns 39-40. For valid values, see the AFS data dictionary.

Error Messages

APPLICATION CATEGORY IS REQUIRED.

An APPLICATION CATEGORY must be entered.

INVALID APPLICATION CATEGORY.

The value entered must exist on the Geo-Common Description table.

TITLE V APPLICATION CATEGORY INVALID FOR A PRIVATE PLANT.

The value entered must be a non-Title V APPLICATION CATEGORY if the facility entered is state private.

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10.1.3 APPLICATION TYPE

APPLICATION TYPE is a code that defines the major process contained in a permit application.

Attributes: 1 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 350

Enter a 1 character value in the 'APPLICATION TYPE' field found on the Applications screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A1, Sequence #1

Enter a 1 character value in column 41. For valid values, see the AFS data dictionary.

Error Messages

INVALID APPLICATION TYPE.

The value entered must exist on the Geo-Common Description table.

10.1.4 **PARTIAL APPLICATION INDICATOR**

PARTIAL APPLICATION INDICATOR is a code that indicates whether an application applies to an entire plant or only a portion of the plant.

Attributes: 1 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 350

Enter a 1 character value in the 'PARTIAL APPLICATION INDICATOR' field found on the Applications screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A1, Sequence #1

Enter a 1 character value in column 42. For valid values, see the AFS data dictionary.

Error Messages

INVALID PARTIAL APPLICATION INDICATOR.

The value entered must exist on the Geo-Common Description table.

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10.1.5 PERMIT AUTHORITY DATA ELEMENT 1

PERMIT AUTHORITY DATA ELEMENT 1 is an optional user-defined field provided for agency representatives to maintain permit information that relates to an application.

Attributes: 40 character alphanumeric
Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 40 characters in the first occurrence of 'PERMIT AUTHORITY DATA ELEMENTS' field found on the Applications screen.

Batch: Transaction type A1, Sequence #3

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

10.1.6 PERMIT AUTHORITY DATA ELEMENT 2

PERMIT AUTHORITY DATA ELEMENT 2 is an optional user-defined field provided for agency representatives to maintain permit information that relates to an application.

Attributes: 40 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 40 characters in the second occurrence of the 'PERMIT AUTHORITY DATA ELEMENTS' field found on the Applications screen.

Batch: Transaction type A1, Sequence #4

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

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10.1.7 PERMIT AUTHORITY DATA ELEMENT 3

PERMIT AUTHORITY DATA ELEMENT 3 is an optional user-defined field provided for agency representatives to maintain permit information that relates to an application.

Attributes: 40 character alphanumeric
Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 40 characters in the third occurrence of the 'PERMIT AUTHORITY DATA ELEMENTS' field found on the Applications screen.

Batch: Transaction type A1, Sequence #5

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

10.1.8 PERMIT AUTHORITY STAFF 1

PERMIT AUTHORITY STAFF 1 identifies the staff reviewer.

Attributes: 25 character alphanumeric
Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 25 characters in the first occurrence of the 'PERMIT AUTHORITY STAFF' field found on the Applications screen.

Batch: Transaction type A1, Sequence #1

Enter a maximum of 25 characters in columns 46-70.

Error Messages

None

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10.1.9 PERMIT AUTHORITY STAFF 2

PERMIT AUTHORITY STAFF 2 identifies the staff reviewer.

Attributes: 25 character alphanumeric
Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 25 characters in the second occurrence of the 'PERMIT AUTHORITY STAFF' field found on the Applications screen.

Batch: Transaction type A1, Sequence #2

Enter a maximum of 25 characters in columns 39-63.

Error Messages

None

10.1.10 **PERMIT AUTHORITY STAFF 3**

PERMIT AUTHORITY STAFF 3 identifies the staff reviewer.

Attributes: 25 character alphanumeric (interactive)
 16 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 350

Enter a maximum of 25 characters in the third occurrence of the 'PERMIT AUTHORITY STAFF' field found on the Applications screen.

Batch: Transaction type A1, Sequence #2

Enter a maximum of 16 characters in columns 64-79.

Error Messages

None

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10.1.11 **REPORTED COMPLIANCE REASON**

REPORTED COMPLIANCE REASON is a code identifying the reason provided by plant representatives to substantiate the compliance status indicated in an application for a Title V permit.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 350

Enter a 2 character value in the 'REPORTED COMPLIANCE REASON' field found on the Applications screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A1, Sequence #1

Enter a 2 character value in columns 44-45. For valid values, see the AFS data dictionary.

Error Messages

INVALID COMPLIANCE REASON.

The value entered must exist on the Geo-Common Description table.

10.1.12 **REPORTED COMPLIANCE STATUS**

REPORTED COMPLIANCE STATUS is a code identifying plant compliance status as indicated by plant representatives in an application for a Title V permit.

Attributes: 1 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 350

Enter a 1 character value in the 'REPORTED COMPLIANCE STATUS' field found on the Applications screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A1, Sequence #1

Enter a 1 character value in column 43. For valid values, see the AFS data dictionary.

Error Messages

INVALID COMPLIANCE STATUS.

The value entered must exist on the Geo-Common Description table.

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10.2 Update AFS General Information - Draft Permit

General information pertaining to a draft permit is either entered by selecting option 5 from the Plant Information Update Menu and option 2 from the Permit Administration Menu or submitting batch transaction type A2. Title V and Non-Title V operating permits are supported. One or more facilities can be linked to a permit using the Application Associations - Draft Permit function. General Information - Draft Permit data applies to every facility that is linked to the specified permit.

10.2.1 Common Data Field

The data field PERMIT serves as the common data element to associate all information related to a permit and therefore must be referenced in all batch update transactions.

10.2.1.1 PERMIT

PERMIT is a user defined value to identify a permit. The combination of state and permit uniquely identifies a permit in AFS.

Attributes: 15 character alphanumeric
Required

Coding Instructions

To add a permit, specify a permit identification that is unique to the state where the facility resides.

Online: Screen 351

Enter a maximum of 15 characters in the 'PERMIT' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #1-5

Enter a maximum of 15 characters in columns 24-38.

Error Messages

PERMIT ALREADY EXISTS.

The permit must not exist on the AFS Permit file when adding a permit.

PERMIT DOES NOT EXIST.

The permit must exist on the AFS Permit file when modifying a permit.

PERMIT NUMBER AND STATE ARE BOTH REQUIRED.

PERMIT must be entered.

PERMIT AUTHORITY NOT DEFINED.

For Title V permits, a permit authority must exist in the AFS Authority Permit table for the specified permit or in the AFS Authority State table for the County or State in which the facility resides.

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10.2.2 EFFECTIVE DATE

EFFECTIVE DATE is the date a permit takes effect.

Attributes: 8 character alphanumeric, Date Format - YYYYMMDD (where YYYY is the year, MM is the month, and DD is the day of the month)
Not Required

Coding Instructions

If EFFECTIVE DATE and EXPIRATION DATE are entered, the EFFECTIVE DATE must be earlier than the EXPIRATION DATE.

Online: Screen 351

Enter an 8 character value in the 'EFFECTIVE DATE' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #2

Enter an 8 character value in columns 39-46.

Error Messages

INVALID EFFECTIVE DATE - MUST BE LESS THAN EXPIRATION DATE.

If the EFFECTIVE DATE and EXPIRATION DATE are entered, EFFECTIVE DATE must be less than EXPIRATION DATE.

INVALID EFFECTIVE DATE. USE FORMAT YYYYMMDD.

The EFFECTIVE DATE must be in the 'YYYYMMDD' format.

YEAR MUST BE BETWEEN 1900 AND 2100.

The year portion (YYYY) of the date must be blank or 1900 through 2100.

10.2.3 EXPIRATION DATE

EXPIRATION DATE is the date a permit expires and is no longer in effect.

Attributes: 8 character alphanumeric, Date Format - YYYYMMDD (where YYYY is the year, MM is the month, and DD is the day of the month)
Not Required

Coding Instructions

EXPIRATION DATE must be later than either the EFFECTIVE DATE or MODIFICATION/RENEWAL EFFECTIVE DATE, if specified.

Online: Screen 351

Enter an 8 character value in the 'EXPIRATION DATE' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #2

Enter an 8 character value in columns 55-62.

Error Messages

INVALID EXPIRATION DATE. USE FORMAT YYYYMMDD.

EXPIRATION DATE must be in the 'YYYYMMDD' format.

YEAR MUST BE BETWEEN 1900 AND 2100.

The year portion (YYYY) of the date must be blank or 1900 through 2100.

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10.2.4 MODIFICATION/RENEWAL EFFECTIVE DATE

MODIFICATION/RENEWAL EFFECTIVE DATE is the date a modification or renewal to a permit takes effect.

Attributes: 8 character alphanumeric, Date Format - YYYYMMDD (where YYYY is the year, MM is the month, and DD is the day of the month)
Not Required

Coding Instructions

If MODIFICATION/RENEWAL EFFECTIVE DATE and EFFECTIVE DATE are entered, the MODIFICATION/RENEWAL EFFECTIVE DATE must be the same as or later than the EFFECTIVE DATE. If MODIFICATION/RENEWAL EFFECTIVE DATE and EXPIRATION DATE are entered, the MODIFICATION/RENEWAL EFFECTIVE DATE must be earlier than the EXPIRATION DATE.

Online: Screen 351

Enter an 8 character value in the 'MODIFICATION/RENEWAL EFFECTIVE DATE' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #2

Enter an 8 character value in columns 47-54.

Error Messages

MOD/RENEWAL DATE MUST BE THE SAME OR GREATER THAN EFFECTIVE DATE.

If MODIFICATION/RENEWAL EFFECTIVE DATE and EFFECTIVE DATE are entered, MODIFICATION/RENEWAL EFFECTIVE DATE must be equal to or greater than EFFECTIVE DATE.

INVALID MOD/RENEWAL DATE - MUST BE LESS THAN EXPIRATION DATE.

If MODIFICATION/RENEWAL EFFECTIVE DATE and EXPIRATION DATE are entered, MODIFICATION/RENEWAL EFFECTIVE DATE must be less than EXPIRATION DATE.

INVALID MOD/RENEWAL EFFECTIVE DATE. USE FORMAT YYYYMMDD.

MODIFICATION/RENEWAL EFFECTIVE DATE must be in the 'YYYYMMDD' format.

YEAR MUST BE BETWEEN 1900 AND 2100.

The year portion (YYYY) of the date must be blank or 1900 through 2100.

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10.2.5 PERMIT AUTHORITY DATA ELEMENT 1

PERMIT AUTHORITY DATA ELEMENT 1 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit.

Attributes: 40 character alphanumeric
Not Required

Coding Instructions

Online: Screen 351

Enter a maximum of 40 characters in the first occurrence of 'PERMIT AUTHORITY DATA ELEMENTS' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #3

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

10.2.6 PERMIT AUTHORITY DATA ELEMENT 2

PERMIT AUTHORITY DATA ELEMENT 2 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit.

Attributes: 40 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 351

Enter a maximum of 40 characters in the second occurrence of the 'PERMIT AUTHORITY DATA ELEMENTS' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #4

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

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10.2.7 PERMIT AUTHORITY DATA ELEMENT 3

PERMIT AUTHORITY DATA ELEMENT 3 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit.

Attributes: 40 character alphanumeric
Not Required

Coding Instructions

Online: Screen 351

Enter a maximum of 40 characters in the third occurrence of the 'PERMIT AUTHORITY DATA ELEMENTS' field found on the General Information - Draft Permit screen.

Batch: Transaction type A2, Sequence #5

Enter a maximum of 40 characters in columns 39-78.

Error Messages

None

10.2.8 PERMIT CATEGORY

PERMIT CATEGORY is a code that indicates the kind of permit. Title V and Non-Title V permits are both supported. For Title V, users can specify that a particular permit is a general permit. General permits can be associated with more than one plant.

Attributes: 1 character alphanumeric
Required

Coding Instructions

Online: Screen 351

Enter a 1 character value in the 'PERMIT CATEGORY' field found on the General Information - Draft Permit screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A2, Sequence #1

Enter a 1 character value in column 39. For valid values, see the AFS data dictionary.

Error Messages

INVALID PERMIT CATEGORY.

The value entered must exist on the Geo-Common Description table.

PERMIT CATEGORY IS REQUIRED.

PERMIT CATEGORY must be entered.

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10.2.9 PERMIT STATE CODE

PERMIT STATE CODE is a FIPS code which identifies the state associated with a permit. Users may alternatively enter the state abbreviation for this data element when working on-line. The combination of STATE and PERMIT uniquely identifies a permit in AFS.

Attributes: 2 character alphanumeric
Required

Coding Instructions

Online: Screen 351

Enter a 2 character value in the 'STATE' field found on the General Information - Draft Permit screen. For valid values, invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A2, Sequence #1-5

Enter a 2 character value in columns 1-2.

Error Messages

INVALID STATE.

The value entered must exist on the Geo-Common State table.

PERMIT NUMBER AND STATE ARE BOTH REQUIRED.

The state must be entered.

STATE MUST BE A DIRECT STATE.

The state must be a "direct" state as defined on the AFS Table Plant file. A "direct" state is a state that maintains its compliance information for a facility with one compliance ID.

10.2.10 PERMIT WORKFILE

PERMIT WORKFILE identifies the name of the workfile resident on EPA's mainframe computer that contains detailed information about a permit.

Attributes: 44 character alphanumeric (interactive)
 39 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 351

Enter a maximum of 44 characters (39 characters for batch) in the 'PERMIT WORK FILE' field found on the General Information - Draft Permit screen.

The value must conform to the naming conventions set forth by EPA's National Computer Center (NCC). The operating system requires that all data set names are strings of up to 44 characters (39 characters for batch). They must also conform to the following restrictions:

Characters are alphabetic (A-Z), numeric (0-9), national (@, #, and \$), and periods (.).

The whole name must be divided into segments (qualifiers) of up to eight characters each. For example, SEPT.REPORT.DATA is the name of a data set whose qualifiers are SEPT, REPORT, and DATA.

The first character of the data set name and first character after a period must be alphabetic or national.

The last character of a data set name may not be a period; nor may there be two consecutive periods.

Data sets at NCC are required to be catalogued and to have standard names. To insure that one user's data sets do not conflict with another user's, NCC has adopted the standard of prefixing the data set name with USER-ID and ACCOUNT. A complete description of the procedures for allocating data sets is contained in EPA's "Guide to NCC Services".

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Batch: Transaction type A2, Sequence #1

Enter a 39 character value in columns 40-78. Reference the Online section of this field for coding rules.

Error Messages

DATASET QUALIFIERS (SEPARATED BY '.') CANNOT BEGIN WITH NUMERICS.

The first position of a qualifier of the workfile name must not begin with numerics.

DATASET QUALIFIERS (SEPARATED BY '.') MUST BE 8 POSITIONS OR LESS

Qualifiers of the workfile name must contain 1 to 8 characters.

ENTER THE FILE NAME WITHOUT SINGLE QUOTE MARKS.

The entry of quotation marks in the workfile name is invalid.

ENTER THE NAME OF A FLAT SEQUENTIAL FILE (WITHOUT A MEMBER NAME).

The entry of '(' or ')' in the workfile name is invalid. Parentheses are used to specify a member name of a partitioned data set (PDS); the work file name must be a sequential file.

ONLY THE SPECIAL CHARACTERS: @ \$ # ARE ALLOWED.

Special characters are not allowed except the national characters (@, \$, and #).

THE EIGHTH POSITION OF YOUR DATASET NAME MUST BE A '.'

The first qualifier of the workfile name must contain your USER-ID and ACCOUNT for seven characters. The eighth position of the workfile name must contain a '.' to separate the first qualifier from the second qualifier.

THE FILE NAME MUST START WITH USER-ID + ACCOUNT-CODE.

The first qualifier of the workfile name must contain your USER-ID and ACCOUNT starting in position one for 7 positions.

THE NINTH POSITION OF YOUR DATASET NAME MUST NOT BE BLANK.

The ninth position of the workfile name is the first position of the second qualifier of the name. The first position of a qualifier must not be blank.

YOU CANNOT HAVE A '.' IN THE LAST POSITION OF YOUR DATASET NAME.

A '.' separates qualifiers in the workfile name. The last position of a name must not be '.' since there is no following qualifier.

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10.2.11 **STATE PRIVATE INDICATOR**

STATE PRIVATE INDICATOR is a code for users to designate that all data for a Non-Title V permit is for the exclusive use of state users who have access to the permitted plant. EPA users and users from other states can not update or read Non-Title V permit data that is designated as private.

Attributes: 1 character alphanumeric
 Required

Coding Instructions

Online: Screen 351

Enter a 1 character value in the 'PRIVATE' field found on the General Information - Draft Permit screen. For valid values, see the AFS data dictionary or invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A2, Sequence #1

Enter a 1 character value in column 79. For valid values, see the AFS data dictionary.

Error Messages

STATE PRIVATE INDICATOR MUST BE 'Y' OR 'N'.

The value entered must be 'Y' or 'N'.

10.3 Update AFS Application Association - Draft Permit

One or more facilities or applications may be associated with a permit by either selecting option 5 from the Plant Information Update Menu and option 4 from the Permit Administration Menu or submitting batch transaction type A7. State Code, County Code, and an AFS Plant ID must be specified. An Application General record must exist for each application entered. A facility is automatically linked to a permit when actions relating to preparing a draft permit or permit issuance are entered.

10.3.1 Common Data Field

The data field PERMIT serves as the common data element to associate facilities and applications to a permit and therefore must be referenced in all batch update transactions.

10.3.1.1 PERMIT

PERMIT is a user defined value to identify a permit. The combination of state and permit uniquely identifies a permit in AFS.

Attributes: 15 character alphanumeric
Required

Coding Instructions

Online: Screen 360

Enter a maximum of 15 characters in the 'PERMIT' field found on the Application Associations - Draft Permit screen.

Batch: Transaction type A7, Sequence #1

Enter a maximum of 15 characters in columns 24-38.

Error Messages

PERMIT IS REQUIRED.

A permit must be entered.

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PERMIT AUTHORITY NOT DEFINED.

For Title V permits, a permit authority must exist in the AFS Authority Permit table for the specified permit or in the AFS Authority State table for the County or State in which the facility resides.

10.3.2 APPLICATION

APPLICATION is a user defined value to identify an application. The combination of facility and application uniquely identifies an application in AFS.

Attributes: 15 character alphanumeric
Not Required

Coding Instructions

Online: Screen 360

Enter a maximum of 15 characters in the 'APPLICATIONS' field found on the Application Associations - Draft Permit screen. A Maximum of ninety-nine applications may be entered.

Batch: Transaction type A7, Sequence #1

Enter a maximum of 15 characters in columns 39-53 for the first application.
Enter a maximum of 15 characters in columns 54-68 for the second application.

Additional applications may be associated with a permit by submitting multiple transaction type A7 transactions.

Error Messages

APPLICATION DOES NOT EXIST.

The application must exist on the file.

CANNOT ENTER APPLICATION ASSOCIATED WITH ISSUED PERMITS.

The application entered has already been associated to the permit specified. The plant permit specified is an issued permit.

CANNOT ENTER APPLICATION ASSOCIATED WITH PENDING PERMITS.

The application entered has already been associated to the permit specified. The plant permit specified is a pending permit.

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DRAFT APPLICATION(S) ALREADY ASSOCIATED WITH SPECIFIED PLANT/PERMIT.

The Draft Associations record for the plant/permit specified already exists on the AFS Associations file. A new record cannot be added. The APPLICATION field occurrences must be blank to retrieve a current record for modification.

CANNOT REMOVE APPLICATIONS ASSOCIATED WITH DRAFT PERMITS.

An application cannot be removed from an AFS Associations record if an action exists for the plant/permit specified.

TITLE V APPLICATION INVALID FOR A NON-TITLE V PERMIT.

The application entered has a Title V APPLICATION CATEGORY and the permit specified has a non-Title V PERMIT CATEGORY. Only non-Title V applications can be associated with non-Title V permits.

NON-TITLE V APPLICATION INVALID FOR A TITLE V PERMIT.

The application entered has a non-Title V APPLICATION CATEGORY and the permit specified has a Title V PERMIT CATEGORY. Only Title V applications can be associated with Title V permits.

10.3.3 COMMENT INDICATOR

COMMENT INDICATOR is a code that indicates whether a comment is to be defined for a plant permit.

Attributes: 1 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 360

Enter any non-blank character in the 'COMMENT' field found on the Application Associations - Draft Permit screen to define a plant permit comment. If the Comment Indicator is specified with the key fields and the Application Association record already exists, then the Plant Permit Comment screen is displayed immediately. Otherwise, the comment screen is displayed after the Association record is updated.

Batch: Not Applicable

Error Messages

None

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10.4 Update AFS Permit Actions

Actions relating to the review and approval of applications and operating permits are either entered by selecting option 5 from the Plant Information Update Menu and option 5 from the Permit Administration Menu or submitting batch transaction type A8. Actions may be entered for all events associated with determining application completeness, approving draft permits, and monitoring issued permits.

10.4.1 Common Data Fields

The data fields APPLICATION and/or PERMIT, PERMIT ACTION NUMBER, and PERMIT ACTION TYPE serve as the common data elements to associate all information related to an action and therefore must be referenced in all batch update transactions.

10.4.1.1 APPLICATION

APPLICATION is a user defined value to identify an application. The combination of facility and application uniquely identifies an application in AFS.

Attributes: 15 character alphanumeric
Required for permit actions that track application completeness.

Coding Instructions

If an application is associated with a permit, then the application should be entered for actions tracking the review and approval of that permit.

Online: Screen 353

Enter a maximum of 15 characters in the 'APPLICATION' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1-8

Enter a maximum of 15 characters in columns 24-38.

Error Messages

APPLICATION DOES NOT EXIST.

The application must exist on the file for actions that track application completeness.

APPLICATION IS NOT ASSOCIATED WITH THIS PERMIT.

The application must exist on an Associations record for the specified plant/permit if the specified action is an action that tracks the review and approval of a permit.

APPLICATION IS REQUIRED.

APPLICATION must be entered for actions that track application completeness.

APPLICATION MUST BE BLANK FOR CYCLE 3 ACTION TYPES.

APPLICATION must be blank for permit actions that track events for an issued permit.

APPLICATION MUST BE BLANK FOR GENERAL PERMITS.

APPLICATION must be blank if the specified permit is a general permit.

NO ASSOCIATED APPLICATIONS - APPLICATION MUST BE BLANK.

APPLICATION must be blank if an action that tracks the review and approval of a permit was specified and no Associations record exists for the specified plant/permit or there are no applications found on the Associations record for the specified plant/permit.

PERMIT AUTHORITY NOT DEFINED.

For actions relating to title V applications, a permit authority must exist in the AFS Authority Permit table for the permit associated with the specified application, if applicable, or in the AFS Authority State table for the County or State in which the facility resides.

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10.4.1.2 **PERMIT**

PERMIT is a user defined value to identify a permit. The combination of state and permit uniquely identifies a permit in AFS.

Attributes: 15 character alphanumerics
Required for permit actions that track the review and approval of a permit and permit actions that track events for an issued permit.

Coding Instructions

For actions related to a plant specific permit, State, County, and an AFS plant ID must be entered with the permit.

Online: Screen 353

Enter a maximum of 15 characters in the 'PERMIT' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1-8

Enter a maximum of 15 characters in columns 39-53.

Error Messages

ISSUED PERMIT DOES NOT EXIST.

PERMIT must exist on the Permit file with an issued status ('I') for actions that track events after a final permit is issued.

PERMIT DOES NOT EXIST.

PERMIT must exist on the Permit file with a draft status ('D') for actions that track the review and approval of a permit and the issuance of a final permit.

PERMIT IS REQUIRED.

A permit must be entered.

PERMIT MUST BE A GENERAL PERMIT.

If a state and permit is specified and the county and AFS plant ID are blank, then PERMIT must be a general permit.

EITHER ST/CNTY/PLANT OR STATE AND GENERAL PERMIT REQUIRED.

ST/PERMIT or ST/CNTY/PLANT or both are required. If ST/PERMIT is entered and ST/CNTY/PLANT is blank, the permit must be a general permit.

PERMIT AUTHORITY NOT DEFINED.

For Title V permits, a permit authority must exist in the AFS Authority Permit table for the specified permit or in the AFS Authority State table for the County or State in which the facility resides.

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10.4.1.3 PERMIT ACTION NUMBER

PERMIT ACTION NUMBER is a user defined number to identify an action. By entering '999', users can have AFS assign the next available number. The combination of state, county, plant, application or permit, action type and permit action uniquely identifies an action in AFS.

Attributes: 3 digit numeric
Required

Coding Instructions

Online: Screen 353

Enter a 3 digit value in the 'ACTION' field found on the Event Tracking Actions screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A8, Sequence #1-8

Enter a 3 digit value in columns 56-58. For valid values, see the AFS data dictionary.

Error Messages

ACTION ALREADY EXISTS.

For add processing, ACTION must not exist on the AFS Permit Action file.

ACTION DOES NOT EXIST.

For a modification, ACTION must exist on the AFS Permit Action file.

ACTION NUMBER IS REQUIRED.

ACTION must be entered.

INVALID ACTION NUMBER.

ACTION must be numeric.

10.4.1.4 **PERMIT ACTION TYPE**

PERMIT ACTION TYPE is a code identifying a permitting related activity. The list of valid action type codes is maintain on the EPA Action Table file and State Action Table file. As an option to using the codes maintained on the tables, users may enter an action type code of '00' and may provide their own action description definition. Actions with an action type code of '00' can be entered only for private permits or Non-Title V applications.

To issue a Title V permit, certain action types must be reported to EPA. Once the permit is issued, these actions can not be deleted from the data base (unless the entire permit is deleted). The list of actions that must be reported to EPA is contained in the AFS EPA Permit Action table.

Attributes: 2 character alphanumeric
Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'ACTION TYPE' field found on the Event Tracking Actions screen. For valid values, invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A8, Sequence #1-8

Enter a 2 character value in columns 54-55.

Error Messages

ACTION TYPE IS REQUIRED.

ACTION TYPE must be entered.

APPLICATION MUST HAVE NON-TITLE V CATEGORY FOR ACTION TYPE '00'.

If ACTION TYPE is '00', the application must be Non-Title V.

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INVALID ACTION TYPE.

ACTION TYPE must exist on the AFS Permit Action table or be equal to '00'.

PERMIT MUST BE PRIVATE FOR ACTION TYPE '00'.

If ACTION TYPE is '00', the permit must be private.

10.4.2 AGENCY STATE CODE

AGENCY STATE CODE is a code to identify a state or local agency. The combination of agency state and local control region uniquely identifies a local agency. Agency state with the local control region not valued uniquely identifies a state agency.

For permit actions not performed by the designated permit authority, agency state and local control region indicate the agency owning the permit action. This data element is also used to indicate the agency owning plant permit comments and permit action comments.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'STATE' portion of the 'STATE/LOCAL CONTROL REGION' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1

Enter a 2 character value in columns 61-62.

Error Messages

INVALID AGENCY.

If STATE is entered and LOCAL CONTROL REGION is not entered, STATE must exist on the AFS Authority State table for the State value entered and Local Control Region of '00'.

INVALID STATE.

STATE must exist on the Geo-Common State table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

PERMIT AUTHORITY NOT DEFINED.

For Title V applications or permits, a permit authority must exist in the AFS Authority Permit

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table for the permit or in the AFS Authority State table for the County or State in which the facility resides.

AGENCY ENTERED IS NOT DESIGNATED PERMIT AUTHORITY.

For Title V applications or permits, if STATE and/or LOCAL CONTROL REGION is entered and the PERMIT ACTION TYPE entered requires that the user have access to the designated permitting authority, then the specified permitting authority must match the permit authority defined for the permit in the AFS Authority Permit table or it must match the permit authority on the AFS Authority State table for the County or State in which the facility resides. PERMIT ACTION TYPEs which require the user have access to the designated permitting authority can be found on the AFS EPA Action table with the 'AGENCY ACCESS' field set to 'D'.

10.4.3 AGENCY STATE NOTIFIED

AGENCY STATE NOTIFIED is a code to indicate the state or local agency that was the notified agency referenced in certain permit action types. The combination of agency state notified and local control region uniquely identifies a local agency referenced in a permit action. Agency state notified with the local control region not valued uniquely identifies a state agency referenced in a permit action.

For those permit action types that require a notified agency, an update screen will be displayed for on-line users to enter data. Actions that require a notified agency can be found on the AFS EPA Action Table with the 'AGENCY NOTIFIED REQUIRED' field set to 'Y'.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'STATE' portion of the 'AFFECTED AGENCY (STATE/LOCAL CONTROL REGION)' field on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #8

Enter a 2 character value in columns 61-62.

Error Messages

AGENCY (EPA, STATE, OR STATE/LCR) IS REQUIRED.

An agency to be notified must be entered. Either EPA, STATE, or STATE/LOCAL CONTROL REGION must be entered.

INVALID AGENCY.

If STATE is entered and LOCAL CONTROL REGION is not entered, STATE must exist on the AFS Authority State table for the State value entered and Local Control Region of '00'.

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INVALID STATE.

STATE must exist on the Geo-Common State table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency to be notified.

10.4.4 COMMENT INDICATOR

COMMENT INDICATOR is a code that indicates whether a comment is to be defined for a permit action.

Attributes: 1 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter any non-blank character in the 'COMMENT' field found on the Event Tracking Actions screen to define a permit action comment. If the Comment Indicator is specified with the key fields and the Action record already exists, then the Permit Action Comment screen is displayed immediately. Otherwise, the comment screen is displayed after the Action record is updated.

Batch: Not Applicable

Error Messages

None

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10.4.5 COMPLAINT ID

COMPLAINT ID is an identifier for a citizen complaint tracked by a permit authority.

Attributes: 10 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 10 characters in the 'COMPLAINT ID' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #3

Enter a maximum of 10 characters in columns 59-68.

Error Messages

None.

10.4.6 EPA AGENCY NOTIFIED

EPA AGENCY NOTIFIED is a code to indicate the EPA regional office (or EPA headquarters) that was the notified agency referenced in certain permit action types that require a notified agency. An update screen will be displayed for on-line users to enter the data.

For those permit action types that require a notified agency, an update screen will be displayed for on-line users to enter data. Actions that require a notified agency can be found on the AFS EPA Action Table with the 'AGENCY NOTIFIED REQUIRED' field set to 'Y'.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'EPA' field in the Agency Notified section found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #8

Enter a 2 character value in columns 59-60.

Error Messages

AGENCY (EPA, STATE, OR STATE/LCR) IS REQUIRED.

An agency to be notified must be entered. Either EPA, STATE, or STATE/LOCAL CONTROL REGION must be entered.

INVALID EPA CODE.

EPA must be in the Geo-Common Permit Agency table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency to be notified.

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10.4.7 EPA CODE

EPA CODE is a code to indicate the EPA regional office (or EPA headquarters) that owns a permit action, plant permit comment or permit action comment record.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'EPA' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1

Enter a 2 character value in columns 59-60.

Error Messages

INVALID EPA CODE.

EPA must be in the Geo-Common Permit Agency table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

AGENCY ENTERED IS NOT DESIGNATED PERMIT AUTHORITY.

For Title V applications or permits, if EPA is entered and the PERMIT ACTION TYPE entered requires that the user have access to the designated permitting authority, then the specified permitting authority must match the permit authority defined for the permit in the AFS Authority Permit table or it must match the permit authority on the AFS Authority State table for the County or State in which the facility resides. PERMIT ACTION TYPEs which require the user have access to the designated permitting authority can be found on the AFS EPA Action table with the 'AGENCY ACCESS' field set to 'D'.

10.4.8 LOCAL CONTROL REGION

LOCAL CONTROL REGION is a code used to identify a local agency. The combination of agency state and local control region uniquely identifies a local agency in AFS.

Agency state and local control region indicate the agency owning the permit action. For plant permit comments and permit action comments, agency state and local control region indicate the agency owning the comment.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 2 characters in the 'LOCAL CONTROL REGION' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1

Enter a maximum of 2 characters in columns 63-64.

Error Messages

INVALID AGENCY.

Local Control Region must not be '00'.

LOCAL CONTROL REGION in combination with STATE must exist on the AFS Authority State table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

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PERMIT AUTHORITY NOT DEFINED.

For Title V applications or permits, a permit authority must exist in the AFS Authority Permit table for the permit or in the AFS Authority State table for the County or State in which the facility resides.

AGENCY ENTERED IS NOT DESIGNATED PERMIT AUTHORITY.

For Title V applications or permits, if EPA, STATE, or LOCAL CONTROL REGION is entered and the PERMIT ACTION TYPE entered requires that the user have access to the designated permitting authority, then the specified permitting authority must match the permit authority defined for the permit in the AFS Authority Permit table or it must match the permit authority on the AFS Authority State table for the County or State in which the facility resides. PERMIT ACTION TYPES which require the user have access to the designated permitting authority can be found on the AFS EPA Action table with the 'AGENCY ACCESS' field set to 'D'.

10.4.9 LOCAL CONTROL REGION NOTIFIED

LOCAL CONTROL REGION is a code to indicate the local agency that was the notified agency referenced in certain permit action types. The combination of agency state notified and local control region notified uniquely identifies a local agency referenced in a permit action.

For those permit action types that require a notified agency, an update screen will be displayed for on-line users to enter the data. Actions that require a notified agency can be found on the AFS EPA Action Table with the 'AGENCY NOTIFIED REQUIRED' field set to 'Y'.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 2 characters in the 'LOCAL CONTROL REGION' portion of the 'AFFECTED AGENCY (STATE/LOCAL CONTROL REGION)' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #8

Enter a maximum of 2 characters in columns 63-64.

Error Messages

AGENCY (EPA, STATE, OR STATE/LCR) IS REQUIRED.

An agency to be notified must be entered. Either EPA, STATE, or STATE/LOCAL CONTROL REGION must be entered.

INVALID AGENCY.

Local Control Region must not be '00'.

LOCAL CONTROL REGION in combination with the STATE must exist on the AFS Authority State table.

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ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency to be notified.

10.4.10 **PERMIT ACTION DATA ELEMENT 1**

PERMIT ACTION DATA ELEMENT 1 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit action.

Attributes: 40 character alphanumeric (interactive)
 21 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 40 characters in the first occurrence of the 'ACTION DATA ELEMENTS' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #5

Enter a maximum of 21 characters in columns 59-79.

Error Messages

None

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10.4.11 **PERMIT ACTION DATA ELEMENT 2**

PERMIT ACTION DATA ELEMENT 2 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit action.

Attributes: 40 character alphanumeric (interactive)
 21 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 40 characters in the second occurrence of the 'ACTION DATA ELEMENTS' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #6

Enter a maximum of 21 characters value in columns 59-79.

Error Messages

None.

10.4.12 **PERMIT ACTION DATA ELEMENT 3**

PERMIT ACTION DATA ELEMENT 4 is an optional user-defined field provided for agency representatives to maintain permit information that relates to a permit action.

Attributes: 40 character alphanumeric (interactive)
 21 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 40 characters in the third occurrence of the 'ACTION DATA ELEMENTS' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #7

Enter a maximum of 21 characters in columns 59-79.

Error Messages

None

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AFS Data Coding	AF2

10.4.13 **PERMIT ACTION DESCRIPTION**

PERMIT ACTION DESCRIPTION represents a definition of an action type code value. The Action Description is normally derived from the action type codes maintained on the Action table for permitting. However, if users enter an action type code of '00', they may provide their own action description definition. Also, actions with an action type code of '00' can be entered only for private permits or Non-Title V applications.

Attributes: 50 character alphanumeric (interactive)
 21 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 50 characters in the 'ACTION DESCRIPTION' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #4

Enter a maximum of 21 characters in columns 59-79.

Error Messages

ACTION DESCRIPTION NOT ALLOWED FOR ACTION TYPE ENTERED.

ACTION DESCRIPTION may only be entered for Action Type '00'.

10.4.14 **PERMIT DATE ACHIEVED**

PERMIT DATE ACHIEVED is the date on which a permit action or a permit application action is completed. For certain action type codes, users may not remove the date achieved if a Title V permit has been issued. However, the date achieved value may be changed.

Attributes: 8 character alphanumeric, Date Format - YYYYMMDD (where YYYY is the year, MM is the month, and DD is the day of the month)
Required if Date Scheduled is blank.

Coding Instructions

Enter PERMIT DATE ACHIEVED, or PERMIT DATE SCHEDULED, or both.

Online: Screen 353

Enter an 8 character value in the 'DATE ACHIEVED' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #2

Enter an 8 character value in columns 61-68.

Error Messages

ACTION IS LOCKED - DATE ACHIEVED IS REQUIRED.

The DATE ACHIEVED may not be removed if a Title V permit is issued and the Issued Permit Status Lock field on the AFS EPA Action table is flagged.

EITHER DATE SCHEDULED OR DATE ACHIEVED IS REQUIRED.

Enter either DATE SCHEDULED or DATE ACHIEVED, or both.

INVALID DATE ACHIEVED - USE FORMAT YYYYMMDD.

DATE ACHIEVED must be in the 'YYYYMMDD' format.

YEAR MUST BE BETWEEN 1900 AND 2100.

The year portion of the date (YYYY) must be blank or 1900 through 2100.

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10.4.15 **PERMIT DATE SCHEDULED**

PERMIT DATE SCHEDULED is the date on which a permit action or a permit application action is scheduled to be completed.

Attributes: 8 character alphanumeric, Date Format - YYYYMMDD (where YYYY is the year, MM is the month, and DD is the day of the month)
Required if Date Achieved is blank.

Coding Instructions

Enter PERMIT DATE SCHEDULED, or PERMIT DATE ACHIEVED, or both.

Online: Screen 353

Enter an 8 character value in the 'DATE SCHEDULED' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #2

Enter an 8 character value in columns 69-76.

Error Messages

EITHER DATE SCHEDULED OR DATE ACHIEVED IS REQUIRED.

Enter either DATE SCHEDULED or DATE ACHIEVED, or both.

INVALID DATE SCHEDULED - USE FORMAT YYYYMMDD.

DATE SCHEDULED must be in the 'YYYYMMDD' format.

YEAR MUST BE BETWEEN 1900 AND 2100.

The year portion of the date (YYYY) must be blank or 1900 through 2100.

10.4.16 **PERMIT RESULTS CODE**

PERMIT RESULTS CODE is a code indicating the status of a permit action. For example, the results code can be used to indicate whether all work associated with an action is complete or if other related actions should be expected.

Attributes: 2 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 353

Enter a 2 character value in the 'RESULTS CODE' field found on the Event Tracking Actions screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type A8, Sequence #2

Enter a 2 character value in columns 59-60.

Error Messages

INVALID RESULTS CODE

RESULTS CODE must exist on the Geo-Common Description table.

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AFS Data Coding	AF2

10.4.17 **PERMIT STAFF NAME**

PERMIT STAFF NAME identifies the staff member who performed a permit action.

Attributes: 25 character alphanumeric (interactive)
 15 character alphanumeric (batch)
 Not Required

Coding Instructions

Online: Screen 353

Enter a maximum of 25 characters in the 'STAFF CODE' field found on the Event Tracking Actions screen.

Batch: Transaction type A8, Sequence #1

Enter a maximum of 15 characters in columns 65-79.

Error Messages

None.

10.5 Update AFS Plant Permit Comment

Plant Permit Comments are either entered by selecting option 5 from the Plant Information Update Menu and option 4 from the Permit Administration Menu or submitting batch transaction type B9. Plant Permit Comments provide users with the ability to document comments pertaining to a specific plant permit. Comments may be entered by users from the Permitting Authority, EPA, and Affected Agencies. Users may only update comments entered by their agency.

10.5.1 Common Data Fields

The data fields PERMIT and PERMIT COMMENT NUMBER serve as the common data elements to associate all information related to a permit comment and therefore must be referenced in all batch update transactions.

10.5.1.1 PERMIT

PERMIT is a user defined value to identify a permit. The combination of state and permit uniquely identifies a permit in AFS.

Attributes: 15 character alphanumerics
Required

Coding Instructions

Online: Screen 364

Enter a maximum of 15 characters in the 'PERMIT' field found on the Plant Permit Comments screen.

Batch: Transaction type B9, Sequence #1-4

Enter a maximum of 15 characters in columns 24-38.

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AFS Data Coding	AF2

Error Messages

PERMIT IS NOT ASSOCIATED WITH ANY PLANT.

An Associations record must exist on the AFS Associations file for the PERMIT and PLANT entered.

PERMIT IS REQUIRED.

A permit must be entered.

PERMIT MUST BE A GENERAL PERMIT.

If COUNTY and PLANT are blank, PERMIT must be a general permit.

PERMIT DOES NOT EXIST.

PERMIT must exist on the AFS Permit file.

10.5.1.2 PERMIT COMMENT NUMBER

PERMIT COMMENT NUMBER is a user defined number to identify a permit comment. By entering '999' users can have AFS assign the next available number.

Attributes: 3 digit numeric
Required

Coding Instructions

Online: Screen 364

Enter a 3 digit value in the 'COMMENT #' field found on the Plant Permit Comments screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type B9, Sequence #1-4

Enter a 3 digit value in columns 39-41. For valid values, see the AFS data dictionary.

Error Messages

COMMENT ALREADY EXISTS.

When adding a comment, the comment for the COMMENT # specified already exists on the AFS Plant Permit Comment file for the specified state and permit.

COMMENT DOES NOT EXIST.

When changing a comment, the comment for the COMMENT # does not exist on the AFS Plant Permit Comment file for the specified state and permit.

COMMENT NUMBER IS REQUIRED.

COMMENT # must be entered.

INVALID COMMENT NUMBER.

COMMENT # must be a numeric value from '001' to '999'.

NO MORE NUMBERS TO GENERATE.

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The generation of a comment number was requested by keying '999' in COMMENT # and comment number '998' already exists, so the comment number cannot be generated.

10.5.2 AGENCY STATE CODE

AGENCY STATE CODE is a code to identify a state or local agency. The combination of agency state and local control region uniquely identifies a local agency. Agency state with the local control region not valued uniquely identifies a state agency.

For permit actions not performed by the designated permit authority, agency state and local control region indicate the agency owning the permit action. This data element is also used to indicate the agency owning plant permit comments and permit action comments.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 364

Enter a 2 character value in the 'STATE' portion of the 'STATE/LOCAL CONTROL REGION' field found on the Plant Permit Comments screen.

Batch: Transaction type B9, Sequence #1

Enter a 2 character value in columns 44-45.

Error Messages

INVALID AGENCY.

If STATE is entered and LOCAL CONTROL REGION is not entered, STATE must exist on the AFS Authority State table for the State value entered and Local Control Region of '00'.

INVALID STATE.

STATE must exist on the Geo-Common Description table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

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10.5.3 EPA CODE

EPA CODE is a code to indicate the EPA regional office (or EPA headquarters) that owns a permit action, plant permit comment or permit action comment record.

Attributes: 2 character alphanumeric
 Not Required

Coding Instructions

Online: Screen 364

Enter a 2 character value in the 'EPA' field found on the Plant Permit Comments screen.

Batch: Transaction type B9, Sequence #1

Enter a 2 character value in columns 42-43.

Error Messages

INVALID EPA CODE.

EPA must be in the Geo-Common Permit Agency table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

10.5.4 LOCAL CONTROL REGION

LOCAL CONTROL REGION is a code used to identify a local agency. The combination of agency state and local control region uniquely identifies a local agency in AFS.

Agency state and local control region indicate the agency owning the permit action. For plant permit comments and permit action comments, agency state and local control region indicate the agency owning the comment.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 364

Enter a maximum of 2 characters in the 'LOCAL CONTROL REGION' field found on the Event Tracking Actions screen.

Batch: Transaction type B9, Sequence #1

Enter a maximum of 2 characters in columns 46-47.

Error Messages

INVALID AGENCY.

Local Control Region must not be '00'.

LOCAL CONTROL REGION in combination with STATE must exist on the AFS Authority State table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

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10.5.5 OWNER PRIVATE

OWNER PRIVATE is a code for users to designate that data contained on a comment record is for the exclusive use of the agency who owns the comment record. For action comments, the agency with ownership of the action also owns the associated action comments. Permit comments are owned by the agency designated on the comment record. Users affiliated with any valid agency can comment on a permit and they have the option to designate their comment as private to their agency users.

Attributes: 1 character alphanumeric
Required

Coding Instructions

Online: Screen 364

Enter a 1 character value in the 'OWNER PRIVATE' field found on the Plant Permit Comments screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type B9, Sequence #1

Enter a 1 character value in column 79. For valid values, see the AFS data dictionary.

Error Messages

OWNER PRIVATE INDICATOR MUST BE 'Y' OR 'N'.

The value entered must be 'Y' or 'N'.

10.5.6 PERMIT COMMENT

PERMIT COMMENT is used by users to enter additional information about a permit or a permit action. Users have the option to make comments private to their agency.

Attributes: 240 character alphanumeric (interactive)
 145 character alphanumeric (batch)
 Required

Coding Instructions

Online: Screen 364

Enter a maximum of 240 characters on the Plant Permit Comments screen. The comment is composed of 4 lines of information of 60 characters. The comment may be coded in any fashion on the 4 lines.

Batch: Transaction type B9, Sequence #1

Enter a maximum of 31 characters in columns 48-78.

Transaction type B9, Sequence #2-4

Enter a maximum of 38 characters in columns 42-79.

Error Messages

None.

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AFS Data Coding	AF2

10.6 Update AFS Permit Action Comment

Permit Action Comments are either entered by selecting option 5 from the Plant information update menu and option 4 from the Permit Administration menu or submitting batch transaction type C1. Plant Action Comments provide users with the ability to document comments pertaining to a permit action for a specific application or permit. Comments may be entered by users from the Permitting Authority, EPA, and Affected Agencies. Users may only update comments entered by their agency.

10.6.1 Common Data Fields

The data fields APPLICATION and/or PERMIT, PERMIT ACTION NUMBER, PERMIT ACTION TYPE, and PERMIT COMMENT NUMBER serve as the common data elements to associate all information related to an action comment and therefore must be referenced in all batch update transactions.

10.6.1.1 APPLICATION

APPLICATION is a user defined value to identify an application. The combination of facility and application uniquely identifies an application in AFS.

Attributes: 15 character alphanumeric
Required for permit actions that track application completeness.

Coding Instructions

Online: Screen 365

Enter a maximum of 15 characters in the 'APPLICATION' field found on the Event Tracking Action Comments screen.

Batch: Transaction type C1, Sequence #1-9

Enter a maximum of 15 characters in columns 24-38.

Error Messages

APPLICATION DOES NOT EXIST.

The application must exist on the file for actions that track application completeness.

APPLICATION IS REQUIRED.

APPLICATION must be entered for actions that track application completeness.

APPLICATION IS NOT ASSOCIATED WITH THIS PERMIT.

The application must exist on an Associations record for the specified plant/permit if the specified action is an action that tracks the review and approval of a permit.

APPLICATION MUST BE BLANK FOR CYCLE 3 ACTION TYPES.

APPLICATION must be blank for permit actions that track event for an issued permit.

APPLICATION MUST BE BLANK FOR GENERAL PERMITS.

APPLICATION must be blank if the specified permit is a general permit.

NO ASSOCIATED APPLICATIONS - APPLICATION MUST BE BLANK.

APPLICATION must be blank if an action that tracks the review and approval of a permit was specified and no Associations record exists for the specified plant/permit or there are no applications found on the Associations record for the specified plant/permit.

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10.6.1.2 **PERMIT**

PERMIT is a user defined value to identify a permit. The combination of state and permit uniquely identifies a permit in AFS.

Attributes: 15 character alphanumerics
Required for comments on permit actions that track the review and approval of a permit and comments on permit actions that track events for an issued permit.

Coding Instructions

Online: Screen 365

Enter a maximum of 15 characters in the 'PERMIT' field found on the Event Tracking Action Comments screen.

Batch: Transaction type C1, Sequence #1-9

Enter a maximum of 15 characters in columns 39-53.

Error Messages

ISSUED PERMIT DOES NOT EXIST.

PERMIT must exist on the Permit file with an issued status ('I') for actions that track events after a final permit is issued.

PERMIT DOES NOT EXIST.

PERMIT must exist on the Permit file with a draft status ('D') for actions that track the review and approval of a permit and the issuance of a final permit.

PERMIT IS REQUIRED.

A permit must be entered.

PERMIT MUST BE A GENERAL PERMIT.

If a state and permit is specified and the county and AFS plant ID are blank, then PERMIT must be a general permit.

EITHER ST/CNTY/PLANT OR STATE AND GENERAL PERMIT REQUIRED.

ST/PERMIT or ST/CNTY/PLANT or both are required. If ST/PERMIT is entered and ST/CNTY/PLANT is blank, the permit must be a general permit.

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10.6.1.3 PERMIT ACTION NUMBER

PERMIT ACTION NUMBER is a user defined number to identify an action. By entering '999', users can have AFS assign the next available number. The combination of state, county, plant, application or permit, action type and permit action uniquely identifies an action in AFS.

Attributes: 3 digit numeric
Required

Coding Instructions

Online: Screen 365

Enter a 3 digit value in the 'ACTION' field found on the Event Tracking Action Comments screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type C1, Sequence #1-9

Enter a 3 digit value in columns 56-58. For valid values, see the AFS data dictionary.

Error Messages

ACTION DOES NOT EXIST FOR PLANT.

ACTION must exist on the AFS Permit Action file.

ACTION NUMBER IS REQUIRED.

ACTION must be entered.

INVALID ACTION NUMBER.

ACTION must be numeric.

10.6.1.4 **PERMIT ACTION TYPE**

PERMIT ACTION TYPE is a code identifying a permitting related activity. The list of valid action type codes is maintain on the EPA Action Table file and State Action Table file. As an option to using the codes maintained on the tables, users may enter an action type code of '00' and may provide their own action description definition. Actions with an action type code of '00' can be entered only for private permits or Non-Title V applications.

To issue a Title V permit, certain action types must be reported to EPA. Once the permit is issued, these actions can not be deleted from the data base (unless the entire permit is deleted). The list of actions that must be reported to EPA is contained in the AFS EPA Permit Action table.

Attributes: 2 character alphanumeric
Required

Coding Instructions

Online: Screen 365

Enter a 2 character value in the 'ACTION TYPE' field found on the Event Tracking Action Comments screen. For valid values, invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type C1, Sequence #1-9

Enter a 2 character value in columns 54-55.

Error Messages

ACTION TYPE IS REQUIRED.

ACTION TYPE must be entered.

APPLICATION MUST HAVE NON-TITLE V CATEGORY FOR ACTION TYPE '00'.

If ACTION TYPE is '00', the application must be Non-Title V.

INVALID ACTION TYPE.

ACTION TYPE must exist on the AFS Permit Action table or be equal to '00'.

PERMIT MUST BE PRIVATE FOR ACTION TYPE '00'.

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If ACTION TYPE is '00', the permit must be private.

10.6.1.5 **PERMIT COMMENT NUMBER**

PERMIT COMMENT NUMBER is a user defined number to identify a permit comment. By entering '999' users can have AFS assign the next available number.

Attributes: 3 digit numeric
Required

Coding Instructions

Online: Screen 365

Enter a 3 digit value in the 'COMMENT #' field found on the Event Tracking Action Comments screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type C1, Sequence #1-9

Enter a 3 digit value in columns 59-61. For valid values, see the AFS data dictionary.

Error Messages

COMMENT ALREADY EXISTS.

When adding a comment, the comment for the COMMENT # specified already exists on the AFS Plant Permit Comment file.

COMMENT DOES NOT EXIST.

When changing a comment, the comment for the COMMENT # does not exist on the AFS Plant Permit Comment file.

COMMENT NUMBER IS REQUIRED.

COMMENT # must be entered.

INVALID COMMENT NUMBER.

COMMENT # must be a numeric value from '001' to '999'.

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NO MORE NUMBERS TO GENERATE.

The generation of a comment number was requested by keying '999' in COMMENT # and comment number '998' already exists, so the comment number cannot be generated.

10.6.2 AGENCY STATE CODE

AGENCY STATE CODE is a code to identify a state or local agency. The combination of agency state and local control region uniquely identifies a local agency. Agency state with the local control region not valued uniquely identifies a state agency.

For permit actions not performed by the designated permit authority, agency state and local control region indicate the agency owning the permit action. This data element is also used to indicate the agency owning plant permit comments and permit action comments.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 365

Enter a 2 character value in the 'STATE' portion of the 'STATE/LOCAL CONTROL REGION' field found on the Event Tracking Action Comments screen.

Batch: Transaction type C1, Sequence #1

Enter a 2 character value in columns 64-65.

Error Messages

INVALID AGENCY.

If STATE is entered and LOCAL CONTROL REGION is not entered, STATE must exist on the AFS Authority State table for the State value entered and Local Control Region of '00'.

INVALID STATE.

STATE must exist on the Geo-Common Description table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

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10.6.3 EPA CODE

EPA CODE is a code to indicate the EPA regional office (or EPA headquarters) that owns a permit action, plant permit comment or permit action comment record.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 365

Enter a 2 character value in the 'EPA' field found on the Event Tracking Comments screen.

Batch: Transaction type C1, Sequence #1

Enter a 2 character value in columns 62-63.

Error Messages

INVALID EPA CODE.

EPA must be in the Geo-Common Permit Agency table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

10.6.4 LOCAL CONTROL REGION

LOCAL CONTROL REGION is a code used to identify a local agency. The combination of agency state and local control region uniquely identifies a local agency in AFS.

Agency state and local control region indicate the agency owning the permit action. For plant permit comments and permit action comments, agency state and local control region indicate the agency owning the comment.

Attributes: 2 character alphanumeric
Not Required

Coding Instructions

Online: Screen 365

Enter a maximum of 2 characters in the 'LOCAL CONTROL REGION' field found on the Event Tracking Action Comments screen.

Batch: Transaction type C1, Sequence #1

Enter a maximum of 2 characters in columns 66-67.

Error Messages

INVALID AGENCY.

Local Control Region must not be '00'.

LOCAL CONTROL REGION in combination with STATE must exist on the AFS Authority State table.

ONLY ONE AGENCY MAY BE ENTERED (EPA OR STATE OR STATE/LCR).

Only EPA or STATE or STATE/LOCAL CONTROL REGION may be entered as the agency.

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10.6.5 **OWNER PRIVATE**

OWNER PRIVATE is a code for users to designate that data contained on a comment record is for the exclusive use of the agency who owns the comment record. For action comments, the agency with ownership of the action also owns the associated action comments. Permit comments are owned by the agency designated on the comment record. Users affiliated with any valid agency can comment on a permit and they have the option to designate their comment as private to their agency users.

Attributes: 1 character alphanumeric
 Required

Coding Instructions

Online: Screen 365

Enter a 1 character value in the 'OWNER PRIVATE' field found on the Event Tracking Action Comments screen. For valid values, see the AFS data dictionary, or you may invoke the on-line AFS HELP function by entering a question mark.

Batch: Transaction type C1, Sequence #1

Enter a 1 character value in column 79. For valid values, see the AFS data dictionary.

Error Messages

OWNER PRIVATE INDICATOR MUST BE 'Y' OR 'N'.

The value entered must be 'Y' or 'N'.

10.6.6 PERMIT COMMENT

PERMIT COMMENT is used by users to enter additional information about a permit or a permit action. Users have the option to make comments private to their agency.

Attributes: 240 character alphanumeric (interactive)
 144 character alphanumeric (batch)
 Required

Coding Instructions

Online: Screen 365

Enter a maximum of 240 characters found on the Plant Permit Comments screen. The comment is composed of 4 lines of information of 60 characters. The comment may be coded in any fashion on the 4 lines.

Batch: Transaction type C1, Sequence #2-9

Enter a maximum of 18 characters in columns 62-79.

Error Messages

None.

11.0 AFS Utility Transactions

AFS supports the ability to submit certain utility functions through the batch update process, as well as by the on-line utility menus. This is extremely useful in situations where mass changes must be processed.

The batch transaction format types and associated data fields are as follows:

<u>AFS Utility</u>	<u>Batch Transaction Type</u>
<u>Merge Plant</u>	60
State Code	
County Code	
Compliance Plant	
Transaction Type	
Sequence Number	
Compliance/emissions plant	
Compliance/emissions Indicator	
<u>Archive Plant</u>	61
State Code	
County Code	
Compliance Plant	
Transaction Type	
Sequence Number	
<u>Source/Point Swap</u>	64
State Code	
County Code	
Old Plant	
Transaction Type	
Sequence Number	
New Plant	
Old Point Number	
Old Compliance/Emissions Identifier	
New Point Number	
New Compliance/Emissions Identifier	

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AFS
Utility

Batch Transaction
Type

Merge Point

65

State Code
County Code
Plant ID
Transaction Type
Sequence Number
Point ID Number One
Point Number One Compliance/Emissions Identifier
Point ID Number Two
Point Number Two Compliance/Emissions Identifier

11.1 UTILITY ACCESS

The access of utility update functions in AFS is through Selection 4 ('SELECT A UTILITY') from the main AFS Menu Screen.

A total of 14 functions are available on-line. However, only 3 are currently available as Batch Transactions as well:

- Merge Plants (Associate)
- Merge Points
- Archive Plants
- Source/Point Swap

Use of the On-line functions is further defined in the AFS Data Storage Manual (AF3). The instructions that follow are specifically for those functions with a Batch update capability as well.

All utilities are actually submitted for batch processing, so the functions will not be reflected in the database immediately. The user should be aware that the successful completion of a utility function request on-line does not guarantee that the process will be successfully applied against the database, since the AFS batch processor will run further validations against the request to ensure that all key information matches AFS data before updating AFS files.

11.2 COMMON DATA FIELDS

Since the utility functions perform such varied tasks, no data fields beyond the basic key fields (State, County, and Plant ID) are common to all utility transactions.

However, on-line function submittals require a valid compliance state/county/plant ID must be included in the fields labeled as such, since the user has not previously selected a facility as they normally would when accessing AFS data through UPDATE or BROWSE. The following narratives assume that those fields have been supplied, and begin instruction from that point.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

11.3 MERGE PLANT (ASSOCIATE)

This utility allows for the association of information entered under various PLANT ID's. AFS was designed to track compliance data based on air program, while keeping compatible with older external systems which were designed to track the same data under different source IDs. By associating compliance ID's, you tell AFS that the data under both ID's really represents the same facility, and should be treated as a single entity. This allows you access to all information about a plant with a single PLANT ID.

11.3.1 PLANT ID 2

PLANT ID 2 is the AFS Plant ID which will be associated with the plant ID named in the key field position.

Attributes: 5 character alphanumeric
Required

Coding Instructions

AFS verifies that when associating two compliance facilities, they are not both already associated to different emissions facilities. This is because emissions facilities should not be identified twice by different plant ID's in AFS. When associating two compliance PLANT ID's, one of which is already associated with either another compliance PLANT ID or an emissions PLANT ID, always specify the associated ID in the first (key) plant ID location, and the un-associated plant ID in this (PLANT ID 2) field.

The Primary compliance ID is determined not by the placement of the ID's in the PLANT ID fields, but by a 'pecking order' determined by the first character of the PLANT ID. Since the normal naming convention in AFS is to prefix facilities with the character representing the Air Program Code, this will ensure that the most important Air Program is represented as the Primary ID.

Online: Screen

Enter a 4 or 5 character Plant ID in the third field following the label 'NEDS OR CDS PLANT I.D.' found in the AFS Merge Plants (Association) Utility screen. The prior two fields are to identify the State and County.

Batch: Transaction type 60, Sequence #1

Batch assumes the key State, County, and Plant ID fields at the beginning of the transaction identify the first plant, and the State and County fields are to be applied to both plant ID's.

Enter a 4 or 5 character Plant ID in columns 14 - 18.

Error Messages

INVALID PLANT ID.

2ND PLANT'S COUNTY INVALID FOR STATE SPECIFIED.

ACCESS TO SECOND PLANT DENIED.

THE CDS PLANT IS ALREADY MERGED.

THE NEDS PLANT IS ALREADY MERGED.

SECOND PLANT ENTERED DOES NOT EXIST.

THESE TWO PLANTS CANNOT BE MERGED.

MERGED PLANTS CANNOT HAVE DUPLICATE AIR PROGRAMS.

PLANTS TO BE MERGED MUST HAVE THE SAME STATE.

PLANTS TO BE MERGED MUST HAVE THE SAME COUNTY.

CANNOT MERGE A PUBLIC AND A STATE PRIVATE PLANT.

THIS PLANT HAS BEEN ARCHIVED AND CANNOT BE ACCESSED.

MUST ENTER TWO DIFFERENT PLANTS TO MERGE.

THE SECOND CDS PLANT ENTERED MUST HAVE AN ACTION PRIOR TO MERGING

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

SIP FROZEN FACILITIES CANNOT BE MERGED.

11.3.2 COMPLIANCE/EMISSIONS INDICATOR

COMPLIANCE/EMISSIONS INDICATOR is a one-character field used to distinguish whether a compliance to compliance, or compliance to emissions association is intended. This field is used as a double check against the Plant ID combination entered. This field is applicable to batch transaction submittals only.

Attributes: 1 character alphanumeric
Required

Coding Instructions

Online: Screen

Not applicable.

Batch: Transaction type 60, Sequence #1

Enter a 'C' (for compliance to compliance) or an 'E' (for compliance to emissions) in column 19.

Error Messages

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', OR 'E'.

The only values allowed are 'C', or 'E' to distinguish between compliance to compliance associations and compliance to emissions associations.

COMPLIANCE/EMISSIONS INDICATOR MUST BE "C" OR "E".

COMPLIANCE/EMISSIONS INDICATOR MUST BE "C" FOR 5 DIGIT PLANT ID.

COMPLIANCE/EMISSIONS INDICATOR MUST BE "E" FOR 4 DIGIT PLANT ID.

11.4 SOURCE/POINT SWAP

The purpose of this utility is to allow users to adjust their information by renaming key fields of existing facilities or points to parallel other sources of information outside AFS.

Point swaps between facilities are not allowed.

11.4.1 NEW PLANT

New Plant is the new AFS Plant ID which the user wishes to use to identify the facility.

Attributes: 5 character alphanumeric
 Required, for Source Swaps only

Coding Instructions

"Swapping" is a bit of a misnomer, since this function does not truly trade the facility ID's. Instead, this function is designed simply to change the key information on an existing facility or point to the new ID. As a result this requires that the ID you "swap" to, not yet exist.

Online: Screen 132

Enter a 5 character Plant ID in the third field following the label 'CDS PLANT I.D. ' or a 4 character Plant ID in the third field following the label 'NEDS PLANT I.D. ' **below** the prompt displaying 'PLEASE ENTER NEW PLANT IDENTIFICATION' in the AFS Source / Point Swap Utility screen. The prior two fields are used to identify State and County.

Batch: Transaction type 64, Sequence #1

Enter a 4 or 5 character Plant ID in columns 14 - 18.

Error Messages

CANNOT CHANGE A CDS PLANT TO A NEDS PLANT.

CANNOT CHANGE A NEDS PLANT TO A CDS PLANT.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

PLANTS TO BE SWAPPED MUST HAVE THE SAME STATE.

INVALID COUNTY FOR STATE SPECIFIED.

PLANT ALREADY EXISTS.

11.4.2 OLD POINT NUMBER

Old Point Number identifies the current point number ID the user wishes to rename.

Attributes: 3 character alphanumeric
 Required for Point Swaps only

Coding Instructions

Online: Screen

When performing a Point Swap on-line, the fields in the top half (above the dash separators) are not used at all. The first 3 fields shown for input are used to name the State, County, and Plant that the point is within.

Enter a 3 character value in the fourth field of the grouping labeled '(STATE/COUNTY/PLANT/POINT/CEID):' found on the AFS Source / Point Swap Utility screen. This is found at the bottom half of the screen (below the dashed separator.)

Batch: Transaction type 64, Sequence #1

Enter a 3 character value in columns 19-21.

Error Messages

CURRENT PT NUM AND "C", "E" OR "M" INDICATOR IS REQ FOR PT SWAP.

POINT DOES NOT EXIST.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

11.4.3 OLD C/E IDENTIFIER

Old C/E identifier denotes the compliance/emissions identifier for the point the user wishes to rename.

Attributes: 1 character alphanumeric
Required for Point Swaps only

Coding Instructions

Online: Screen 132

When performing a Point Swap on-line, the fields in the top half (above the dash separators) are not used at all. The first 3 fields shown for input are used to name the State, County, and Plant that the point is within.

Enter a 1 character value in the fifth field of the grouping labeled '(STATE/COUNTY/PLANT/POINT/CEID):' found on the AFS Source / Point Swap Utility screen. This is found at the bottom half of the screen (below the dashed separator.)

Batch: Transaction type 64, Sequence #1

Enter a 1 character value in column 22.

Error Messages

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSIONS IDENTIFIERS MUST BE THE SAME FOR POINT SWAP.

CURRENT PT NUM AND "C", "E" OR "M" INDICATOR IS REQ FOR PT SWAP.

11.4.4 NEW POINT NUMBER

New Point Number identifies the point number ID to which a user wishes to rename an existing point.

Attributes: 3 character alphanumeric
 Required for Point Swaps only

Coding Instructions

Online: Screen 132

When performing a Point Swap on-line, the fields in the top half (above the dash separators) are not used at all. The first 3 fields shown for input are used to name the State, County, and Plant that the point is within.

Enter a 3 character value in the first field of the grouping labeled '(POINT/CEID):' found on the AFS Source / Point Swap Utility screen. This is found at the bottom half of the screen (below the dashed separator.)

Batch: Transaction type 64, Sequence #1

Enter a 3 character value in columns 23-25.

Error Messages

NEW POINT NUMBER AND "C", "E" OR "M" INDICATOR IS REQ FOR PT SWAP
POINT ALREADY EXISTS.

AFS User's Guide	AFS User's
CEID	AFS Data Coding
AFS Data Coding	AF2

11.4.5 NEW C/E IDENTIFIER

New C/E identifier denotes the compliance/emissions identifier for the point number ID to which a user wishes to rename an existing point.

Attributes: 1 character alphanumeric
 Required for Point Swaps only

Coding Instructions

Online: Screen 132

When performing a Point Swap on-line, the fields in the top half (above the dash separators) are not used at all. The first 3 fields shown for input are used to name the State, County, and Plant that the point is within.

Enter a 1 character value in the second field of the grouping labeled '(POINT/CEID):' found on the AFS Source / Point Swap Utility screen. This is found at the bottom half of the screen (below the dashed separator.)

Batch: Transaction type 64, Sequence #1

Enter a 1 character value in column 26.

Error Messages

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C', 'E', OR 'M'.

COMPLIANCE EMISSIONS IDENTIFIERS MUST BE THE SAME FOR POINT SWAP.

NEW POINT NUMBER AND "C", "E" OR "M" INDICATOR IS REQ FOR PT SWAP

11.5 POINT MERGE

The purpose of this utility is to identify and associate compliance and emissions point information which reflects activity and processes occurring at the same physical location within a facility.

There are two valid point merge scenarios:

- 1) Compliance point with an emissions point
- 2) Emissions point with no compliance point

There are 3 noticable physical results to the merge:

- 1) All data related to either point is now identified by the point number designated in the first Point Number field.
- 2) The compliance/emissions indicator is changed from 'E' or 'C' to 'M'.
- 3) If the user has the proper security access, both emissions and compliance data are accessible through the same point and compliance/emissions identifier.

Examples:

Merging point 001-C and 003-E in that order will result in point 001-M.

Merging point 003-E and 001-C in that order will result in point 003-M.

Merging point 002-E with no compliance point named will result in point 002-M.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

11.5.1 POINT NUMBER ONE

Point Number One identifies the first of the points within a facility whose data is to be merged together.

Attributes: 3 character alphanumeric
Required

Coding Instructions

If the user intends to change an emissions point to a merged point without designation of a related compliance point, the emissions point must be identified in this field.

Online: Screen

Enter a 3 character Point ID in the first of the two fields labeled 'POINT...:' on the AFS Merge Points Utility screen. A valid State, county, and Plant ID must have been identified in the fields provided.

Batch: Transaction type 64, Sequence #1

Enter a 3 character point ID in columns 14 - 16.

Error Messages

POINT IS REQUIRED.

POINT ONE DOES NOT EXIST.

MERGED POINT HAS ALREADY BEEN USED.

BASE POINT HAS ALREADY BEEN USED.

11.5.2 COMPLIANCE/EMISSIONS IDENTIFIER (#1)

Compliance Emissions Identifier (#1) Indicates whether the point designated in POINT NUMBER 1 is a compliance or emissions point.

Attributes: 1 character alphanumeric
Required

Coding Instructions

Online: Screen

Enter a 1 character value in the field immediately following the point field just entered on the AFS Merge Points Utility screen. Valid values are 'C' and 'E' dependant upon the point merge scenario being performed.

Batch: Transaction type 64, Sequence #1

Enter a 1 character value in column 17. Valid values are 'C' or 'E' dependant upon the point merge scenario being performed.

Error Messages

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C' OR 'E'.

YOU CANNOT CONVERT A "C" TO AN "M" POINT.

COMPLIANCE EMISSIONS IDENTIFIERS MUST BE DIFFERENT.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

11.5.3 POINT NUMBER TWO

Point Number Two defines the second of the two points within a facility whose data is to be merged together.

Attributes: 3 character alphanumeric
Required, unless an emissions point is being adjusted to a merged status.

Coding Instructions

If the user intends to change an emissions point to a merged point without designation of a related compliance point, this field must be left blank.

Online: Screen

Enter a 3 character Point ID in the second of the two fields labeled 'POINT....' on the AFS Merge Points Utility screen.

Batch: Transaction type 64, Sequence #1

Enter a 4 or 5 character Plant ID in columns 18 - 20.

Error Messages

POINT IS REQUIRED.

POINT TWO DOES NOT EXIST.

BASE POINT HAS ALREADY BEEN USED.

11.5.4 COMPLIANCE/EMISSIONS IDENTIFIER (#2)

Compliance Emissions Identifier (#2) Indicates whether the point designated in the POINT NUMBER 2 field is a compliance or emissions point.

Attributes: 1 character alphanumeric
 Required, if Point Number 2 has been entered

Coding Instructions

Online: Screen

Enter a 1 character value in the second of the two fields labeled 'POINT...:' on the AFS Merge Points Utility screen. Valid values are 'C' and 'E' dependant upon the point merge scenario being performed.

Batch: Transaction type 64, Sequence #1

Enter a 1 character value in columns 19-21. Valid values are 'C' or 'E' dependant upon the point merge scenario being performed.

Error Messages

COMPLIANCE EMISSION IDENTIFIER MUST BE 'C' OR 'E'.

YOU CANNOT CONVERT A "C" TO AN "M" POINT.

COMPLIANCE EMISSIONS IDENTIFIERS MUST BE DIFFERENT.

AFS User's Guide	AFS User's
AF2	AFS Data Coding
AFS Data Coding	AF2

11.6 PLANT ARCHIVE

This utility allows for the permanent archive of an entire facility - removing the facility from the current database. The facility to be archived is entered in the key portion of transaction type 61.

Coding Instructions

Online: Screen

Enter a 4 or 5 character Plant ID in the third field following the label 'CDS OR NEDS PLANT I.D.' found in the AFS Archive Plants Utility screen. The prior two fields are to identify the State and County.

Batch: Transaction type 61, Sequence #1

Batch assumes the key State, County, and Plant ID fields at the beginning of the transaction identifies the plant to be archived.

Enter a 4 or 5 character Plant ID in columns 6 - 10.

Error Messages

PLANT DOES NOT EXIST.

ACCESS TO STATE PRIVATE INFORMATION DENIED.

UPDATE ACCESS TO MERGED PLANT DENIED.

UPDATE ACCESS TO CDS PLANT DENIED.

UPDATE ACCESS TO NEDS PLANT DENIED.

A PLANT WITH ACTIONS LESS THAN 3 YEARS OLD CANNOT BE ARCHIVED.